

October 2020 | Phase I Environmental Site Assessment

Richmond Elementary School Replacement

for Sierra Sands Unified School District

Prepared for:

Sierra Sands Unified School District

Contact: Pamela P. Smith, Assistant Superintendent of Business Services
113 W. Felspar Avenue
Ridgecrest, California 93555

Prepared by:

PlaceWorks

Michael Watson, PG, Associate Geologist
2850 Inland Empire Blvd, Suite B
Ontario, California 91764
909.989.4449
info@PlaceWorks.com
www.PlaceWorks.com

Table of Contents

Section	Page
Executive Summary	v
1. Introduction	1
1.1 OBJECTIVE	1
1.2 SITE IDENTIFICATION	2
1.3 DETAILED SCOPE OF SERVICES	2
1.4 NON-SCOPE CONSIDERATIONS	3
1.5 EXCEPTIONS AND DEVIATIONS	3
1.6 LIMITATIONS	3
2. Site Description	5
2.1.1 Name of Site Owner	5
2.1.2 Site Location Map	5
2.2 SITE AND VICINITY DESCRIPTION	5
2.3 PHYSICAL SETTING	6
2.3.1 Topography	6
2.3.2 Geologic Information	6
2.3.3 Naturally Occurring Asbestos Containing Minerals and Radon Gas	6
2.3.4 Groundwater and Surface Water Information	7
3. Site History and Background Information	9
3.1 PREVIOUS REPORTS	9
3.2 PAST USAGE OF THE SITE	9
3.2.1 Historical Aerial Photographs	9
3.2.2 Historical Topographic Maps	10
3.2.3 Prior Agricultural Use	10
3.2.4 Mines	10
3.2.5 Illegal Drug Manufacturing	11
3.2.6 Prior U.S. Government Ownership	11
3.3 SURROUNDING PROPERTY LAND USES	11
4. Environmental Records Review	13
4.1 STANDARD ENVIRONMENTAL RECORDS REVIEW	13
4.1.1 NPL Sites	13
4.1.2 Federal Delisted NPL Sites	14
4.1.3 CERCLIS Sites	14
4.1.4 CERCLIS-NFRAP Sites	14
4.1.5 RCRA CORRACTS Facilities	14
4.1.6 RCRA Non-CORRACTS TSD Facilities	15
4.1.7 RCRA Generators	15
4.1.8 Federal Institutional Control / Engineering Controls	15
4.1.9 Federal ERNS List	15
4.1.10 State-and Tribal- equivalent NPL	15
4.1.11 State and Tribal- equivalent CERCLIS	16
4.1.12 State and Tribal- equivalent Landfill and/or Solid Waste Disposal Sites	16
4.1.13 State and Tribal Leaking Underground Storage Tanks	16
4.1.14 State and Tribal Registered Storage Tanks	16
4.1.15 State and Tribal Voluntary Cleanup Site	17

Table of Contents

Section	Page
4.1.16 Orphan Sites	17
4.1.17 HAZNET.....	17
4.2 ADDITIONAL ENVIRONMENTAL RECORDS REVIEW	17
4.2.1 Local Brownfield Lists	17
4.2.2 Local Lists of Hazardous Waste Contaminated Sites	18
4.2.3 Local Lists of Registered Storage Tanks	18
4.2.4 High Risk Historical Records	18
4.2.5 Other Ascertainable Records	18
4.2.6 State of California Geologic Energy Management Division Records	18
4.2.7 Vapor Migration	18
4.2.8 User-Provided Information.....	19
5. Site Reconnaissance and Key Personnel Interview(s).....	21
5.1 CURRENT USE OF THE PROPERTY.....	21
5.2 SITE VISIT OBSERVATIONS.....	21
5.2.1 General Description of Structures	21
5.2.2 Heating and Cooling System.....	21
5.2.3 Potable Water Supply and Sewage Disposal System or Septic Systems	21
5.2.4 Use of Petroleum Products and Hazardous Materials	21
5.2.5 Storage of Petroleum Products and Hazardous Materials (Storage Tanks, Drums)	22
5.2.6 Disposal of Petroleum Products and Hazardous Materials.....	22
5.2.7 Hydraulic Elevators	22
5.2.8 Vehicle Maintenance Lifts	22
5.2.9 Emergency Generators and Sprinkler System Pumps	22
5.2.10 Polychlorinated Biphenyls (PCBs) Associated with Electrical or Hydraulic Equipment.....	22
5.2.11 Floor Drain and Sumps	22
5.2.12 Catch Basins.....	22
5.2.13 Dry Wells.....	22
5.2.14 Pits, Ponds, Lagoons, and Pools of Liquid.....	22
5.2.15 Odors	22
5.2.16 Stains or Corrosion on Floors, Walls, or Ceilings.....	23
5.2.17 Stained Soil or Pavement	23
5.2.18 Stressed Vegetation	23
5.2.19 Solid Waste and Evidence of Waste Filling.....	23
5.2.20 Wastewater and Stormwater Discharge.....	23
5.2.21 Monitoring, Water Supply, or Irrigation Wells	23
5.2.22 Non-Scope Considerations	23
5.3 INTERVIEWS.....	23
6. Data Gap Identification.....	25
7. Findings and Conclusions	27
8. Credentials	29
9. References	31

Table of Contents

List of Figures

Figure

Figure 1	Regional Location
Figure 2	Local Vicinity
Figure 3	Aerial Photograph

List of Appendices

Appendix A.	Research Documentation
Appendix B.	EDR
Appendix C.	Site Photographs
Appendix D.	Phase I Addendum
Appendix E.	Qualifications

Table of Contents

This page intentionally left blank.

Executive Summary

PlaceWorks has performed a Phase I Environmental Site Assessment (Phase I) on behalf of the Sierra Sands Unified School District (District) for the construction of the Richmond Elementary School Replacement (project site) on a 77-acre parcel in Ridgecrest, Kern County, California (Figures 1 and 2). The Phase I was performed in general conformance with the scope and limitations of the ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Our conclusions are intended to help the user evaluate the “environmental risk” associated with the site, as defined in the ASTM E 1527-13 Standard and discussed in the Introduction section of this report.

The site is located on the east side of Gateway Boulevard, between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road and is within the Naval Air Weapons Station (NAWS) China Lake military base, but outside of the secured part of the base. Ridgecrest is in the western portion of the Mojave Desert in the Indian Wells Valley, which is surrounded by mountains: the Coso Range on the north, El Paso Mountains on the south, the Argus Range on the east, and the Sierra Nevada on the west. The site is immediately north of State Route 178 (SR-178). Figure 1, *Regional Location*, and Figure 2, *Aerial Photograph*, show the project site from its regional and aerial contexts.

The approximately 77-acre project site encompasses a portion of Assessor’s Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing current project site conditions and the outline of the project site boundaries. The project site is vacant land with mostly native desert vegetation. No current or historic structures were identified as ever having been located on the site. No agricultural land uses were identified either and the project site is not listed on the environmental databases reviewed.

The objective of a Phase I is to assess whether “recognized environmental conditions” (RECs), historical RECs (HRECs), and controlled RECs (CRECs) are associated with the project site. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the project site. Our opinion regarding a REC’s potential impact on the project site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and our experience evaluating similar sites.

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs)

The ASTM E 1527-13 Standard defines an REC in part as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.”

RECs were not identified for the project site.

Executive Summary

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECs)

The ASTM E 1527-13 Standard defines an HREC as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

This assessment has revealed no evidence of HRECs or known environmental conditions in connection with the project site following the ASTM standard.

CONTROLLED RECS ENVIRONMENTAL CONDITIONS

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

This assessment has revealed no evidence of CRECs in connection with the project site following the ASTM standard.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) PROTOCOL

Based on a review of historical evidence, the site has been vacant and undeveloped land since at least 1946. Since the site has been owned by the military for over 70 years, PlaceWorks recommended soil testing, to confirm that the site has not been impacted by operations at the base to assist the District with determining if the site was feasible for a school. No military operations or uses of the project site were identified and the site is located outside the fence line for the base. For a nearby school site the military had used the area for military housing where residual organochlorine pesticides had been found and this project site is located to the southeast of the school that went through a cleanup under DTSC oversight. The results are included in Appendix D as a Phase I Addendum. After the Phase I Addendum was conducted, a representative from NAWS China Lake indicated that the site was never used for military activities.

SUMMARY

Based on the results of this assessment, RECs, HRECs and CRECs were not identified for the project site. Soil sample results indicated that the lead in soil does not pose a human health risk using an unrestricted residential land use exposure scenario.

It is PlaceWorks’ professional opinion that an appropriate level of inquiry has been made into previous activities and uses of the project site in an effort to protect future occupants from significant exposures to

Executive Summary

hazardous substances. The remainder of this report contains additional information regarding the Phase I work performed, the findings summarized above, and any limitations.

1. Introduction

PlaceWorks has performed a Phase I Environmental Site Assessment (Phase I) on behalf of the Sierra Sands Unified School District (District) for the construction of the Richmond Elementary School Replacement (project site) located on a 77-acre parcel in Ridgecrest, Kern County, California (Figures 1 and 2). The Phase I was performed in general conformance with the scope and limitations of the ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Our conclusions are intended to help the user evaluate the “environmental risk” associated with the site, as defined in the ASTM E 1527-13 Standard and discussed in the Introduction section of this report.

The site is located on the east side of Gateway Boulevard, between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road and is within the Naval Air Weapons Station (NAWS) China Lake military base, but outside of the secured part of the base. Ridgecrest is in the western portion of the Mojave Desert in the Indian Wells Valley, which is surrounded by mountains: the Coso Range on the north, El Paso Mountains on the south, the Argus Range on the east, and the Sierra Nevada on the west. The site is immediately north of State Route 178 (SR-178). Figure 1, *Regional Location*, and Figure 2, *Aerial Photograph*, show the project site from its regional and aerial contexts.

The approximately 77-acre project site encompasses a portion of Assessor’s Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing current project site conditions and the outline of the project site boundaries. The project site is vacant land with mostly native desert vegetation. No current or historic structures were identified as ever having been located on the site. No agricultural land uses were identified either and the project site is not listed on the environmental databases reviewed.

PlaceWorks recommended soil testing, to confirm that the site has not been impacted by operations at the base to assist the District with determining if the site was feasible for a school. No military operations or uses of the project site were identified and the site is located outside the fence line for the base. The sampling and analysis showed that organochlorine pesticides, polychlorinated biphenyls, total petroleum hydrocarbons and asbestos were not detected. The analysis also showed that lead was not elevated above background and health-based screening levels. The report and results of the Phase I Addendum are included in Appendix D.

1.1 OBJECTIVE

The objective of this assessment was to evaluate the project site history, existing observable conditions, current project site use, and current and historic uses of surrounding properties to identify the potential presence of Recognized Environmental Conditions (RECs) in connection with the project site. RECs are defined by ASTM as

“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the

1. Introduction

environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.”

In addition, the Standard requires the identification of historical RECs (HRECs) and known or suspect environmental conditions in the Phase I report. The standard defines historical RECs as

“a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as

“a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

Our conclusions are intended to help the user evaluate the “environmental risk” associated with the project site, defined by ASTM as “a risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate. Consideration of environmental risk issues may involve addressing one or more non-scope considerations.”

1.2 SITE IDENTIFICATION

The approximately 77-acre project site encompasses a portion of Assessor’s Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing current project site conditions and the outline of the project site boundaries. The project site is vacant land with mostly native desert vegetation.

The site is located on the east side of Gateway Boulevard, between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road and is within the Naval Air Weapons Station (NAWS) China Lake military base in Ridgecrest, Kern County, California, but is located outside of the secured part of the base. Ridgecrest is in the western portion of the Mojave Desert in the Indian Wells Valley, which is surrounded by mountains: the Coso Range on the north, El Paso Mountains on the south, the Argus Range on the east, and the Sierra Nevada on the west. The site is approximately 950 feet north of State Route 178 (SR-178). Figure 1, Regional Location, and Figure 2, Aerial Photograph, show the project site from its regional and aerial contexts.

1.3 DETAILED SCOPE OF SERVICES

PlaceWorks performed the following detailed scope of services to complete our Phase I assessment:

1. Introduction

1. Visual observations of project site conditions, and of adjoining property use, to evaluate the nature and type of activities that have been or are being conducted at and adjacent to the project site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Review of federal and state environmental database information within the ASTM- specified radii from the project site using a database service to access records. Use of 7.5-minute topographic maps to evaluate the project site's physical setting.
3. Review of federal and state environmental files, as necessary, pertaining to the project site and nearby sites with the potential to impact the project site.
4. Review of previous reports (if any) prepared for the project site.
5. Review of historical aerial photographs.
6. Contacts with state and local agencies, as necessary, regarding the project site and surrounding properties and structures.
7. Interviews with the Key Site Manager and property tenant representatives (if any).
8. Interpretation of information and data assembled as a result of the above work tasks, and formulation of conclusions regarding the potential presence and impact of RECs as defined by the ASTM E 1527-13 Standard.

1.4 NON-SCOPE CONSIDERATIONS

The ASTM E 1527-13 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I practice: Asbestos-Containing Materials, Biological Agents, Radon, Lead-Based Paint, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality unrelated to releases of hazardous substances or petroleum products in the environment and mold.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, the assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-13 Standard as “electrical or hydraulic equipment known or likely to contain PCBs” to the extent visually and or physically observed or identified from the interview or records review.

1.5 EXCEPTIONS AND DEVIATIONS

PlaceWorks has completed this assessment in substantial conformance with ASTM E 1527-13. In our opinion, there were no exceptions, addition, deviations or deletions made to the ASTM work scope.

1.6 LIMITATIONS

Our work for this project was performed generally consistent with the ASTM E 1527-13 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations (e.g. ASFE and AGWSE) have also developed “guidelines” or “standards” for environmental site assessments. The Phase I presented herein is consistent with the ASTM E 1527-13 Standard, which may vary from the specific “guidelines” or “standards” required by other organizations.

1. Introduction

This Report was prepared pursuant to an Agreement between the District and PlaceWorks. All uses of this Report are subject to, and deemed acceptance of, the conditions and restrictions contained in the Agreement. The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement. PlaceWorks has not performed any additional observations, investigations, studies or other testing not specified in the Agreement. PlaceWorks shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This Report is prepared for the exclusive use of the District in connection with the proposed acquisition of the project site. There are no intended beneficiaries other than the District. PlaceWorks shall owe no duty whatsoever to any other person or entity on account of the Agreement or the Report. Use of this Report by any person or entity other than the District for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from the District and from PlaceWorks. Use of this Report by such other person or entity without the written authorization of the District and PlaceWorks shall be at such other person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

Use of this Report by any person or entity, including by the District, for a purpose other than the site, is expressly prohibited unless such person or entity obtains written authorization from PlaceWorks indicating that the Report is adequate for such other use. Use of this Report by any person or entity for such other purpose without written authorization by PlaceWorks shall be at such person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

This Report reflects site conditions observed and described by records available to PlaceWorks as of the date of report preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, the District and any other party to whom the report is provided recognize and agree that PlaceWorks shall bear no liability for deviations from observed conditions or available records after the time of report preparation.

The findings, conclusions, and recommendations contained in this report are based on site conditions as they existed at the time of our investigation. Our review of documents, lists, databases, and public agency files have been conducted with due diligence. However, our conclusions are based on available information and are subject to constraints imposed by public agencies on review procedures and information retrieval. As a result, PlaceWorks may have been unable to identify potential concerns. PlaceWorks assumes no responsibility for conditions that did not come to our attention despite reasonable care, or for conditions that were not generally recognizable as environmentally unacceptable at the time of this report. Opinions and judgments expressed are based on our understanding and interpretations of currently available regulatory standards and should not be construed as legal opinions or advice.

Use of this Report by any person or entity in violation of the restrictions expressed in this Report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this Report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages or other liability which may result.

2. Site Description

This section describes the project site location and ownership of the project site as well as other pertinent details.

2.1.1 Name of Site Owner

The project site is owned by the United States Department of the Navy. The project would be financed with a grant from the Department of Defense Office of Economic Adjustment and would be leased from the United States Department of the Navy.

2.1.2 Site Location Map

The United States Geological Survey (USGS) topographic maps for the project site are the Ridgecrest North and Ridgecrest South, California Quadrangles. The USGS topographic map was used as the source for site setting information. The project site is in Kern County at approximately 35.62637 north latitude and 117.65052 west longitude. The project site is in Section 35 of Township 26 South, Range 40 East of the Mount Diablo Base Line and Meridian. Topographic maps are included in Appendix A and Figures 1 and 2 are regional and local vicinity maps.

2.2 SITE AND VICINITY DESCRIPTION

The approximately 17-acre project site encompasses a portion of Assessor's Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing current project site conditions and the outline of the project site boundaries. The project site is vacant land with mostly native desert vegetation.

The site is located on the east side of Gateway Boulevard, between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road and is within the Naval Air Weapons Station (NAWS) China Lake military base in Ridgecrest, Kern County, California, but is located outside of the secured part of the base. Ridgecrest is in the western portion of the Mojave Desert in the Indian Wells Valley, which is surrounded by mountains: the Coso Range on the north, El Paso Mountains on the south, the Argus Range on the east, and the Sierra Nevada on the west. The site is immediately north of State Route 178 (SR-178). Figure 1, Regional Location, and Figure 2, Aerial Photograph, show the project site from its regional and aerial contexts.

The site is surrounded by vacant land with mostly native desert vegetation, although residential dwellings are located farther to the west and southwest of the site. The south gate of NAWS China Lake is located to the northeast of the site on Richmond Road.

2. Site Description

2.3 PHYSICAL SETTING

Subsurface explorations were not performed for this evaluation; therefore, project site geology and hydrology were evaluated on the basis of readily available public information or references, and/or based upon our experience and understanding of subsurface conditions in the subject property area.

2.3.1 Topography

Topographically, the site gently slopes to the northeast. Based on a review of the United States Geological Survey (USGS) 7.5-minute Topographic Series, Ridgecrest North and Ridgecrest South, California Quadrangle Maps (USGS 2012a and 2012b), surface elevation of the project site ranges between approximately 2,250 to 2,260 feet above mean sea level (msl).

2.3.2 Geologic Information

Based on a review of the United States Geological Survey (USGS) 7.5-minute Topographic Series, Ridgecrest North and Ridgecrest South, California Quadrangle Maps (USGS 2012a and 2012b), the site is in the Indian Wells Valley within the southern portion of the Basin and Range Geomorphic Province. The Basin and Range Geomorphic Province extends approximately 400 miles eastward from the eastern front of the Sierra Nevada to the western front of the Wasatch Mountains in Utah and is characterized by high north-south trending fault-block mountains separated by elongate, narrow depressions (Norris and Webb 1990). The province is generally characterized by its interior drainage. The Basin and Range Geomorphic Province is separated from the Mojave Desert Geomorphic Province to the south by the Garlock Fault. The most dominant structural features of the province are the north-trending fault zones. The site sits atop mostly Pleistocene lacustrine (i.e., lakebed) deposits, with a small area of alluvial sand and gravel deposits on the southwest corner of the site (Dibblee 2008).

Based on a review of the California Geologic Survey database, the project site does not lie within an Alquist-Priolo Fault Zone or within a special studies zone (DOC, 2020).

2.3.3 Naturally Occurring Asbestos Containing Minerals and Radon Gas

Based on a review of A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos (Department of Conservation, Division of Mines and Geology 2000) and Van Gosen and Clinkenbeard (2011), the site is not located within a ten-mile radius from an area thought to contain naturally occurring asbestos.

The Indoor Radon Abatement Act of 1988 directs the United States Environmental Protection Agency to identify and lists areas of the United States with the potential for elevated indoor radon levels. The U.S. EPA's Map of Radon Zones assigns one of three zone based on radon potential:

- Zone 1 counties have a predicted average indoor radon screening level greater than 4 pico curies per liter (pCi/L)

2. Site Description

- Zone 2 counties with a predicted average indoor radon screening level between 2 and 4 pCi/L
- Zone 3 counties with a predicted average indoor radon screening level less than 2 pCi/L

California EPA Map of Radon maps the project site as being in within Zone 2. The California Department of Health Services recommends action to be taken to reduce radon levels inside buildings if they are 4 pCi/L or greater.

2.3.4 Groundwater and Surface Water Information

Based on an analysis of the topography in the project site vicinity, sheet flow runoff from the project site during periods of intense or prolonged precipitation would be expected to flow to the northeast. According to FEMA, the project site and the surrounding area are outside of 100-year flood zone and is considered to be within a 500-year flood zone (FEMA, 2020).

The project site is in the Indian Wells Valley Watershed. The project site is serviced by the Indian Wells Valley Water District, which obtains its water from local groundwater. No evidence of recent flooding at the project site was observed during the geologic field reconnaissance. Hydrogeologic investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

2. Site Description

This page intentionally left blank.

3. Site History and Background Information

3.1 PREVIOUS REPORTS

No previous environmental reports for the project site were provided by the District or reviewed by PlaceWorks in preparation of the Phase I. PlaceWorks prepared a Preliminary Geologic and Environmental Hazards Assessment that included this site along with two other potential sites, which was used by the District to determine which site to focus on for the replacement of Richmond Elementary School.

3.2 PAST USAGE OF THE SITE

Past usage of the project site was assessed through review of historical aerial photographs, topographic maps, and databases. Copies of historical information reviewed are included in Appendix A. Based on a review of historical information, the project site has been vacant and undeveloped land since at least 1946.

3.2.1 Historical Aerial Photographs

Aerial photographs for the site obtained from EDR for the years of 1946, 1948, 1973, 1975, 1984, 1994, 2005, 2009, 2012, and 2016. Copies of the aerial photographs from the EDR report are included in Appendix A.

- 1946 – The project site is vacant undeveloped land. The surrounding area is also vacant undeveloped land with unimproved dirt roads, with the exception of Ridgecrest Boulevard to the south which appears to be paved.
- 1948 – The project site appears relatively unchanged in comparison to the 1946 aerial photograph.
- 1973 – The project site appears relatively unchanged in comparison to the 1948 aerial photograph. A north-south oriented dirt road transects the western portion of the site. Richmond Road is paved to the east of the site, Gold Canyon Street is paved to the north, and Ridgecrest Boulevard is widened. Additional roads appear to the south, and a few residential structures are located to the west, southwest, and southeast. The south gate of the base is located to the northeast.
- 1975 – The project site and surrounding area appear relatively unchanged in comparison to the 1973 aerial photograph.
- 1984 – The project site appears relatively unchanged in comparison to the 1975 aerial photograph. Some additional structures are located to the south of the site.
- 1994 – The project site appears relatively unchanged in comparison to the 1984 aerial photograph. Gateway Boulevard is located to the west of the site as a widened dirt road and is paved to the

3. Site History and Background Information

southwest of the site. Tract homes are located west of the site, and multi-family residential homes are located to the southwest. Additional structures are noted south of the site. A drainage area is noted on the north side of the tract homes which appears to direct flows northwest of the site.

- 2005 – The project site and surrounding area appear relatively unchanged in comparison to the 1994 aerial photograph. There are some desert willow trees on the northwest portion of the site. Some additional structures are located to the south.
- 2009 – The project site and surrounding area appear relatively unchanged in comparison to the 2005 aerial photograph.
- 2012 – The project site and surrounding area appear relatively unchanged in comparison to the 2009 aerial photograph. An area to the north within the secured area of the base is cleared of vegetation.
- 2016 – The project site and surrounding area appear relatively unchanged in comparison to the 2012 aerial photograph. There are solar panels north of the site within the secured area of the base.

3.2.2 Historical Topographic Maps

Topographic maps obtained from EDR were reviewed for the project site for the years of 1953, 1973, and 2012. Copies of the topographic maps are included in Appendix A.

- 1953 – The project site and surrounding area are undeveloped vacant land. The site is within the Naval Reservation boundary.
- 1973 – The project site and surrounding area appear relatively unchanged in comparison to the 1953 topographic map. The Naval Reservation boundary has been amended so that it is on the west boundary of the site. There is an unimproved north-south oriented dirt road that transects the western portion of the site.
- 2012 – No buildings are depicted on newer topographic map, only streets and topography are mapped. Gateway Boulevard is depicted on the western portion of the site. The unimproved dirt road is no longer depicted on the western portion of the site.

3.2.3 Prior Agricultural Use

Based on the site visit, and the review of aerial photographs and historic topographic maps, the project site was not used for agricultural purposes.

3.2.4 Mines

Based on the review of historical sources (aerial photographs and topographic maps), there is no evidence to indicate that the project site was ever utilized for mining operations.

3. Site History and Background Information

3.2.5 Illegal Drug Manufacturing

The project site was not identified by the California Hazardous Material Incident Report System (CHMIRS) which is maintained by the California Office of Emergency Services and contains information regarding hazardous material incidents such as accidental releases or spills. The project site was also not identified on Clandestine Drug Labs (CDL), a listing of drug lab locations maintained by the DTSC. Drug-related waste was not observed on the project site during the site inspection.

3.2.6 Prior U.S. Government Ownership

Based on the review of the County Tax Assessor website, EDR, historical aerial photographs and topographic maps, the project site appears to have been vacant undeveloped land. The property is owned by the U.S. Government and is part of the NAWS China Lake military base outside of the secured area.

3.3 SURROUNDING PROPERTY LAND USES

The project site is in a rural residential community with single-family and multi-family residences. Currently, there are residential properties to the west and southwest of the project site. Property immediately surrounding the site is vacant undeveloped land.

3. Site History and Background Information

This page intentionally left blank.

4. Environmental Records Review

4.1 STANDARD ENVIRONMENTAL RECORDS REVIEW

PlaceWorks utilized the electronic database service EDR to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced Agency records, located within the American Society for Testing and Materials (ASTM)-specified search radii indicated below:

Database	Approximate Search Distance	Subject Site Listed?	Number of Sites within Search Area
Federal NPL Sites	1 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	0
CERCLIS-NFRAP Sites	0.5 mile	No	0
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS Facilities	1 mile	No	0
RCRA Generators	Site & Adjoining	No	0
Federal Institutional/Engineering Control Registry	Site Only	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	0.5 mile	No	1
State and Tribal Registered Storage Tanks	Site & Adjoining	No	0
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	0
State and Tribal Leaking Storage Tanks	0.5 mile	No	0
State and Tribal Institutional Controls/Engineering Control	Site Only	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	0
State and Tribal Brownfield Sites	0.5 mile	No	0
Orphan Site List	Site & Adjoining	No	4
HAZNET	Site Only	Yes	0

A review of selected regulatory agency databases for documented environmental concerns on the site, or in close proximity to the project site, was conducted by EDR. A copy of the radius report, dated July 31, 2020 is included in Appendix B. The project site is listed as a DOD site and is discussed in section 4.2.5.

4.1.1 NPL Sites

The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for clean-up by the EPA.

- The project site is not listed on the NPL List.
- The database search did not identify any NPL sites within a mile radius of the project site.

4. Environmental Records Review

4.1.2 Federal Delisted NPL Sites

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites may be deleted from the NPL where no further response is appropriate.

- The project site is not listed on the delisted NPL List.
- The database did not identify any delisted NPL sites within a mile radius of the project site.

4.1.3 CERCLIS Sites

The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess if they should be considered for inclusion on the NPL.

- The project site is not listed on the CERCLIS List.
- The database search did not identify any CERCLIS listings within a one-half mile radius of the project site.

4.1.4 CERCLIS-NFRAP Sites

CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

- The project site is not listed on the CERCLIS-NFRAP List.
- The database search did not identify any CERCLIS-NFRAP sites within a one-half mile radius of the project site.

4.1.5 RCRA CORRACTS Facilities

The RCRA CORRACTS Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

- The project site is not listed as a RCRA CORRACTS TSD facility.
- The database search did not identify any RCRA CORRACTS TSD facilities within a one-mile radius of the project site.

4. Environmental Records Review

4.1.6 RCRA Non-CORRACTS TSD Facilities

The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

- The project site is not listed as a RCRA non-CORRACTS TSD facility.
- The database search did not identify any RCRA non-CORRACTS TSD facilities within a one-half mile radius of the project site.

4.1.7 RCRA Generators

The RCRA Generator list is maintained by the EPA to track facilities that generate hazardous waste.

- The project site is not on the RCRA Generators list.
- The database search did not identify any RCRA Generators within a quarter mile radius of the project site.

4.1.8 Federal Institutional Control / Engineering Controls

A listing of sites with institutional and or engineering controls in place is maintained by the EPA. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

- The project site is not listed as having an institutional or engineering control.

4.1.9 Federal ERNS List

The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The list is maintained by the National Response Center United States Coast Guard.

- The project site is not listed on the ERNS List.

4.1.10 State-and Tribal- equivalent NPL

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

- The project site is not listed on state- and tribal-equivalent NPL.

4. Environmental Records Review

- The database search did not identify any state-and tribal equivalent NPL sites within a one-mile radius of the project site.

4.1.11 State and Tribal- equivalent CERCLIS

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

- The project site is not listed on state- and tribal- equivalent CERCLIS.
- The database search did not identify any state- and tribal- equivalent CERCLIS sites within a mile radius of the project site.

4.1.12 State and Tribal- equivalent Landfill and/or Solid Waste Disposal Sites

The database search did not identify any State Landfills or Solid Waste Disposal Sites within a one-half mile radius of the project site.

- The project site is not listed on state- and tribal- equivalent landfill and/or solid waste disposal site lists.
- The database did not identify any state-and tribal equivalent landfill and/or solid waste disposal site within a half mile radius of the project site.

4.1.13 State and Tribal Leaking Underground Storage Tanks

The State Water Resources Control Board Leaking Underground Storage Tank Information System contains an inventory of Leaking Underground Storage Tank (LUST) Incident Reports.

- The project site is not listed on the LUST list.
- The database search did not identify any LUST facilities within a half-mile radius of the project site.

4.1.14 State and Tribal Registered Storage Tanks

The State Water Resources Control Board's Hazardous Substance Storage Container Database maintains a list of registered storage tanks regulated by the Resource Conservation and Recovery Act.

4. Environmental Records Review

- The project site is not listed on the registered UST list.
- The database did not identify any registered UST facilities within a quarter mile radius of the project site.

4.1.15 State and Tribal Voluntary Cleanup Site

The DTSC maintains a list of low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

- The project site is not listed on the state and tribal voluntary cleanup program.
- The database did not identify any state and tribal voluntary cleanup program sites within a half mile radius of the project site.

4.1.16 Orphan Sites

The EDR database identified four facilities that might have been indicated as being potentially in the area and are not mapped due to incomplete address information. Based on a review of the four orphan entries, none of the facilities appears to have been located near the project site.

4.1.17 HAZNET

The DTSC Facility and Manifest database records annual hazardous waste shipments, as required by RCRA. All businesses that dispose of hazardous materials are entered into the database. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. A listing on the HAZNET database does not indicate that an environmental concern exists, only that a lawful disposal of materials has occurred.

- The project site is not listed on the HAZNET database.

4.2 ADDITIONAL ENVIRONMENTAL RECORDS REVIEW

In conformance with ASTM inquiry was made with the additional agencies described below.

4.2.1 Local Brownfield Lists

The DTSC's Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. No brownfield sites were identified on the EnviroStor database.

4. Environmental Records Review

4.2.2 Local Lists of Hazardous Waste Contaminated Sites

A record search was done on the following databases: Clandestine Drug Labs, HIST Cal-Sites Historical CalSites Database, and Toxic Pits Cleanup Act Sites.

- The project site is not listed on the Local List of Hazardous Waste Contaminated Sites.
- The database did not identify any sites within the designated search radius.

4.2.3 Local Lists of Registered Storage Tanks

A record search was done of the local lists of registered storage tanks. The database search did not identify any registered UST sites as being within a 0.25 mile of the project site.

4.2.4 High Risk Historical Records

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, and dry cleaners. No historical auto shops or historical cleaners were identified within 0.125-mile of the project site.

4.2.5 Other Ascertainable Records

The project site is identified on the DOD database for China Lake Naval Weapons Center. No further information was provided.

4.2.6 State of California Geologic Energy Management Division Records

A review of California Geologic Energy Management (CalGEM) Division Well Finder indicates that there are no oil wells or oil fields in the vicinity of the project site. The closest oil well is located approximately 25 miles southwest of the project site that is identified as a plugged dry hole advanced by Wm. Bosustow.

4.2.7 Vapor Migration

The ASTM 1527-13 standard states that "for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface". Thus, this section specifies whether or not we perceive a risk of vapor migration to the project site.

To assess vapor migration risk, a review and analysis of the project site-specific environmental database report and other reasonably ascertainable records was implemented to assess whether:

4. Environmental Records Review

1. Off-site properties have documented chlorinated volatile organic compound (VOC) contamination located within 100 feet of the subject property, or
2. Off-site properties have documented volatile petroleum hydrocarbon contamination within 30 feet of the subject property.

Based on the records review, it is unlikely that a potential source of vapor migration currently exists beneath the site from off-site properties. No chlorinated VOC contamination was identified upgradient of the project site, and underground storage tanks were not identified adjacent or within 100 feet of the project site.

4.2.8 User-Provided Information

The ASTM Standard requires disclosure in the Phase I report whether the user of the report has specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs, or whether the user has determined that the property's Title contains environmental liens or other information related to environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations, as defined by ASTM. In addition, we are required by the ASTM Standard to inquire whether the user of the report has prior knowledge that the price of the property has been reduced for environmentally related reasons.

4. Environmental Records Review

This page intentionally left blank.

5. Site Reconnaissance and Key Personnel Interview(s)

Site visits to observe site conditions were conducted by PlaceWorks on June 30 and September 30, 2020. No weather-related conditions or other conditions that would limit our ability to observe the project site occurred during our site reconnaissance. PlaceWorks personnel observed the exterior portions of the property, including the property boundaries. Site photographs are included in Appendix C.

ASTM requires that the current site owner or Key Site Manager and user, if different from the current owner or Key Site Manager, be asked if there are any helpful documents or information that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports.

5.1 CURRENT USE OF THE PROPERTY

The 77-acre site is within the boundaries of the NAWS China Lake military base but is outside of the secured area. The site is vacant land covered with mostly native desert vegetation.

5.2 SITE VISIT OBSERVATIONS

5.2.1 General Description of Structures

No structures were noted on the site. Some former utility poles are still located on the site, although there are no wires connected to them.

5.2.2 Heating and Cooling System

No structures were noted on the site. No heating or cooling system was observed.

5.2.3 Potable Water Supply and Sewage Disposal System or Septic Systems

Potable water and sewer are supplied by the Indian Wells Valley Water District and the City of Ridgecrest, respectively.

5.2.4 Use of Petroleum Products and Hazardous Materials

Use of petroleum products or hazardous materials was not observed at the project site.

5. Site Reconnaissance and Key Personnel Interview(s)

5.2.5 Storage of Petroleum Products and Hazardous Materials (Storage Tanks, Drums)

No storage of petroleum products or hazardous materials was observed at the project site.

5.2.6 Disposal of Petroleum Products and Hazardous Materials

No evidence of disposal of petroleum products or hazardous materials was observed at the project site.

5.2.7 Hydraulic Elevators

No hydraulic elevators were observed at the project site.

5.2.8 Vehicle Maintenance Lifts

No vehicle maintenance lifts were observed at the project site.

5.2.9 Emergency Generators and Sprinkler System Pumps

No emergency generators or sprinkler system pumps were observed on the project site.

5.2.10 Polychlorinated Biphenyls (PCBs) Associated with Electrical or Hydraulic Equipment

No electrical or hydraulic equipment was observed on the subject site.

5.2.11 Floor Drain and Sumps

No floor drains or sumps were observed at the project site.

5.2.12 Catch Basins

No catch basins were observed at the project site.

5.2.13 Dry Wells

No dry wells were observed at the project site.

5.2.14 Pits, Ponds, Lagoons, and Pools of Liquid

No pits, ponds, lagoons or pools of liquid were observed at the project site.

5.2.15 Odors

No odors were observed at the project site.

5. Site Reconnaissance and Key Personnel Interview(s)

5.2.16 Stains or Corrosion on Floors, Walls, or Ceilings

No unusual staining or corrosion was observed on the project site.

5.2.17 Stained Soil or Pavement

No stained soil or pavement was observed at the project site.

5.2.18 Stressed Vegetation

No stressed vegetation was observed at the project site.

5.2.19 Solid Waste and Evidence of Waste Filling

No evidence of waste filling was observed on the project site.

5.2.20 Wastewater and Stormwater Discharge

No wastewater discharge was observed on the project site. Stormwater is expected to exit the project site via overland flow to local roadways and creeks.

5.2.21 Monitoring, Water Supply, or Irrigation Wells

No monitoring, water supply or irrigation wells were observed at the project site.

5.2.22 Non-Scope Considerations

No railroad tracks are located within 1,500 feet of the project site.

5.3 INTERVIEWS

A questionnaire was sent to Thomas Maloney, the contact from NAWs China Lake on August 18, 2020. Although Mr. Maloney has not returned the questionnaire, he was not aware of any military activities on the project site. He was not aware of any environmental cleanup liens against the property nor was he aware of any land use limitations due to environmental issues.

5. Site Reconnaissance and Key Personnel Interview(s)

This page intentionally left blank.

6. Data Gap Identification

Adjacent landowners were not interviewed for this Phase I Environmental Site Assessment. Chain-of-title documentation was not reviewed so it could not be ascertained if the complete title report contains environmental liens or other information related to environmental condition of the property. However, the database search contained in Appendix B indicates that the project site is not on the Recorded Environmental Cleanup Liens database which is maintained by the DTSC and contains a listing of liens placed upon real properties. The project site is also not listed on the DTSC's Deed Restriction database which lists sites with DTSC with restricted land use. The project site is not listed on NPL Liens, a database the EPA maintains on real property, in order to recover remedial action expenditures when the property owner has received notification of potential liability.

6. Data Gap Identification

This page intentionally left blank.

7. Findings and Conclusions

PlaceWorks has performed a Phase I Environmental Site Assessment (Phase I) on behalf of the Sierra Sands Unified School District (District) for the construction of the 77-acre Richmond Elementary School Replacement (project site) in Ridgecrest, Kern County, California (Figures 1 and 2). The Phase I was performed in general conformance with the scope and limitations of the ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Our conclusions are intended to help the user evaluate the “environmental risk” associated with the site, as defined in the ASTM E 1527-13 Standard and discussed in the Introduction section of this report.

The approximately 77-acre project site encompasses a portion of Assessor’s Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing current project site conditions and the outline of the project site boundaries. The project site is vacant land with mostly native desert vegetation.

The site is located on the east side of Gateway Boulevard, between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road and is within the Naval Air Weapons Station (NAWS) China Lake military base, but outside of the secured part of the base. Ridgecrest is in the western portion of the Mojave Desert in the Indian Wells Valley, which is surrounded by mountains: the Coso Range on the north, El Paso Mountains on the south, the Argus Range on the east, and the Sierra Nevada on the west. The site is immediately north of State Route 178 (SR-178). Figure 1, Regional Location, and Figure 2, Aerial Photograph, show the project site from its regional and aerial contexts.

The objective of a Phase I is to assess whether “recognized environmental conditions” (RECs), historical RECs (HRECs), and controlled RECs (CRECs) are associated with the project site. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the project site. Our opinion regarding a REC’s potential impact on the project site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and our experience evaluating similar sites.

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs)

The ASTM E 1527-13 Standard defines an REC in part as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.”

RECs were not identified for the project site.

7. Findings and Conclusions

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECs)

The ASTM E 1527-13 Standard defines an HREC as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

This assessment has revealed no evidence of HRECs or known environmental conditions in connection with the project site following the ASTM standard.

CONTROLLED RECS ENVIRONMENTAL CONDITIONS

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

This assessment has revealed no evidence of CRECs in connection with the project site following the ASTM standard.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) PROTOCOL

Based on a review of historical evidence, the site has been vacant and undeveloped land since at least 1946. Since the site has been located inside a military base for over 70 years, PlaceWorks recommended soil testing, for potential military-related contamination. The results are included in Appendix D as a Phase I Addendum. After the Phase I Addendum was conducted, a representative from NAWS China Lake indicated that the site was never used for military activities.

SUMMARY

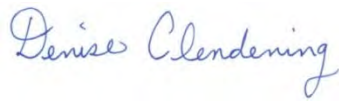
Based on the results of this assessment, RECs, HRECs and CRECs were not identified for the project site. Soil sample results indicated that the lead in soil does not pose a human health risk using an unrestricted residential land use exposure scenario.

It is PlaceWorks’ professional opinion that an appropriate level of inquiry has been made into previous activities and uses of the project site in an effort to protect future occupants from significant exposures to hazardous substances.

8. Credentials

This Phase I ESA was prepared in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, geologists, and environmental scientists, under the technical direction of the undersigned. We declare to the best of our professional knowledge and belief, that we meet the definition of Environmental Professional as defined in the ASTM Standard. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

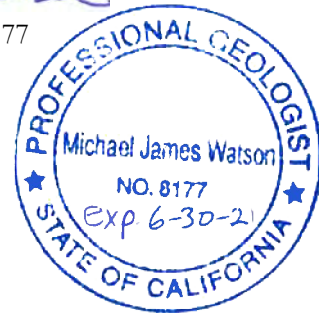
Qualifications information for the project personnel is provided in Appendix E.



Denise Clendening, Ph.D.
Associate Principal



Michael Watson, PG 8177
Project Geologist



8. Credentials

This page intentionally left blank.

9. References

1. American Society for Testing and Materials (ASTM) Practice for ESAs: Phase I Assessments Process (ASTM Standard E 1527-13), November 2013.
2. California Department of Conservation (DOC), 2020. Data Viewer Maps located at <https://maps.conservation.ca.gov/cgs/DataViewer/>
3. California Department of Conservation, Geologic Energy Management Division (CalGEM), 2020. Well Finder website located at <http://www.conservation.ca.gov/dog/Pages/Wellfinder.aspx>.
4. California Department of Conservation, 2010. Fault Activity Map of California. <http://maps.conservation.ca.gov/cgs/fam/>
5. California Department of Toxic Substances Control (DTSC), 2001. Phase I Environmental Site Assessment Advisory: School Property Evaluations, Revised September 5, 2001.
6. California Division of Mines and Geology (CDMG), 2000. "A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos." August 2000.
7. EDR, 2020. Aerial Photographs dated 1946, 1948, 1973, 1975, 1984, 1989, 1994, 2005, 2009, 2012, and 2016.
8. EDR, 2020. Historical Topographic Maps of 1953, 1973, and 2012.
9. EDR, 2020. Radius Report, July 31, 2020.
10. FEMA, 2020. FEMA Flood Map Service Center, 26 September 2008. <https://msc.fema.gov/portal/search?AddressQuery=ridgecrest%2C%20ca#searchresultsanchor>
11. Dibblee, Jr., T. W., 2008. Geologic Map of the Inyokern & Ridgecrest 15 Minute Quadrangles, Kern & San Bernardino Counties, California. Dibblee Geology Center Map #DF-410: First Printing, October 2008. https://ngmdb.usgs.gov/Prodesc/proddesc_86859.htm
12. PlaceWorks, 2020. Site visit performed by Mike Watson on June 30, 2020.
13. United States Geological Survey (USGS), 2018a. 7.5' Topographic Series, Ridgecrest North, California Quadrangle Map, scale 1:24,000.
14. USGS, 2018b. 7.5' Topographic Series, Ridgecrest South, California Quadrangle Map, scale 1:24,000.
15. Van Gosen, B. S., and J. P. Clinkenbeard, 2011. Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California, USGS Open-File Report 2011-1188, scale 1:990,000.

9. References

This page intentionally left blank.

Figures

Figures

This page intentionally left blank.

Figure 1 - Regional Location

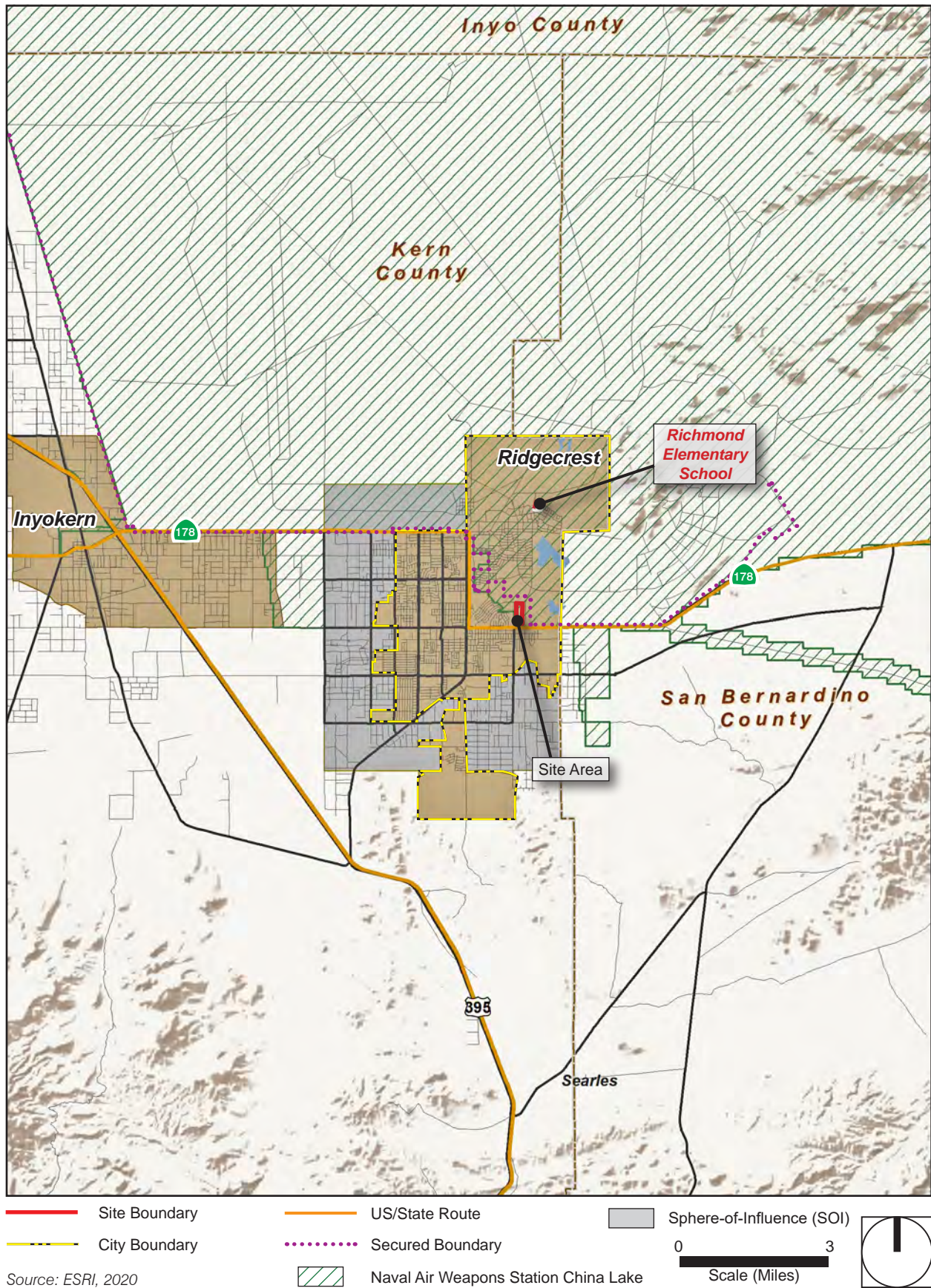
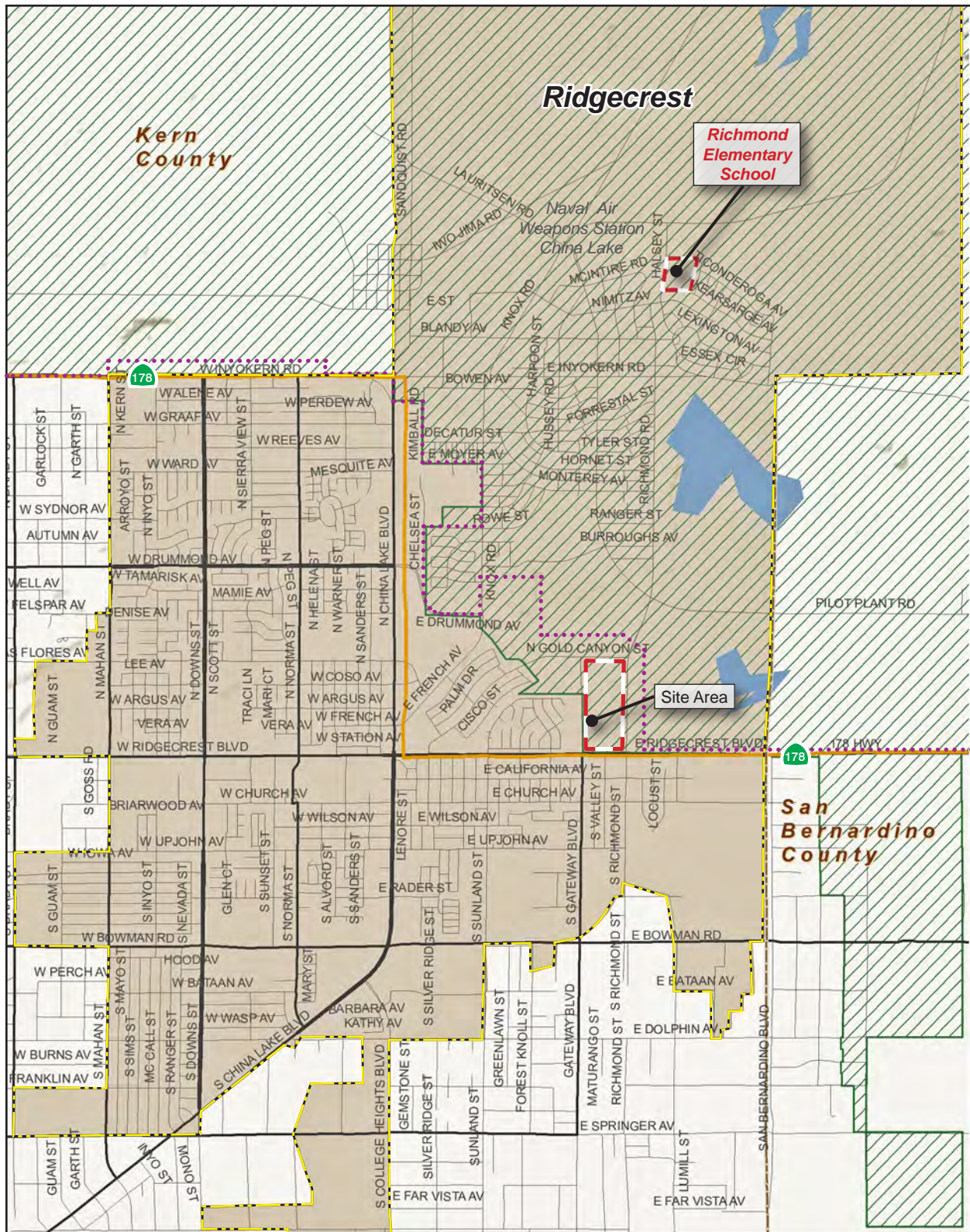


Figure 2 - Local Vicinity



— Site Boundary — State Route Naval Air Weapons Station China Lake
- - - City Boundary - - - - Secured Boundary

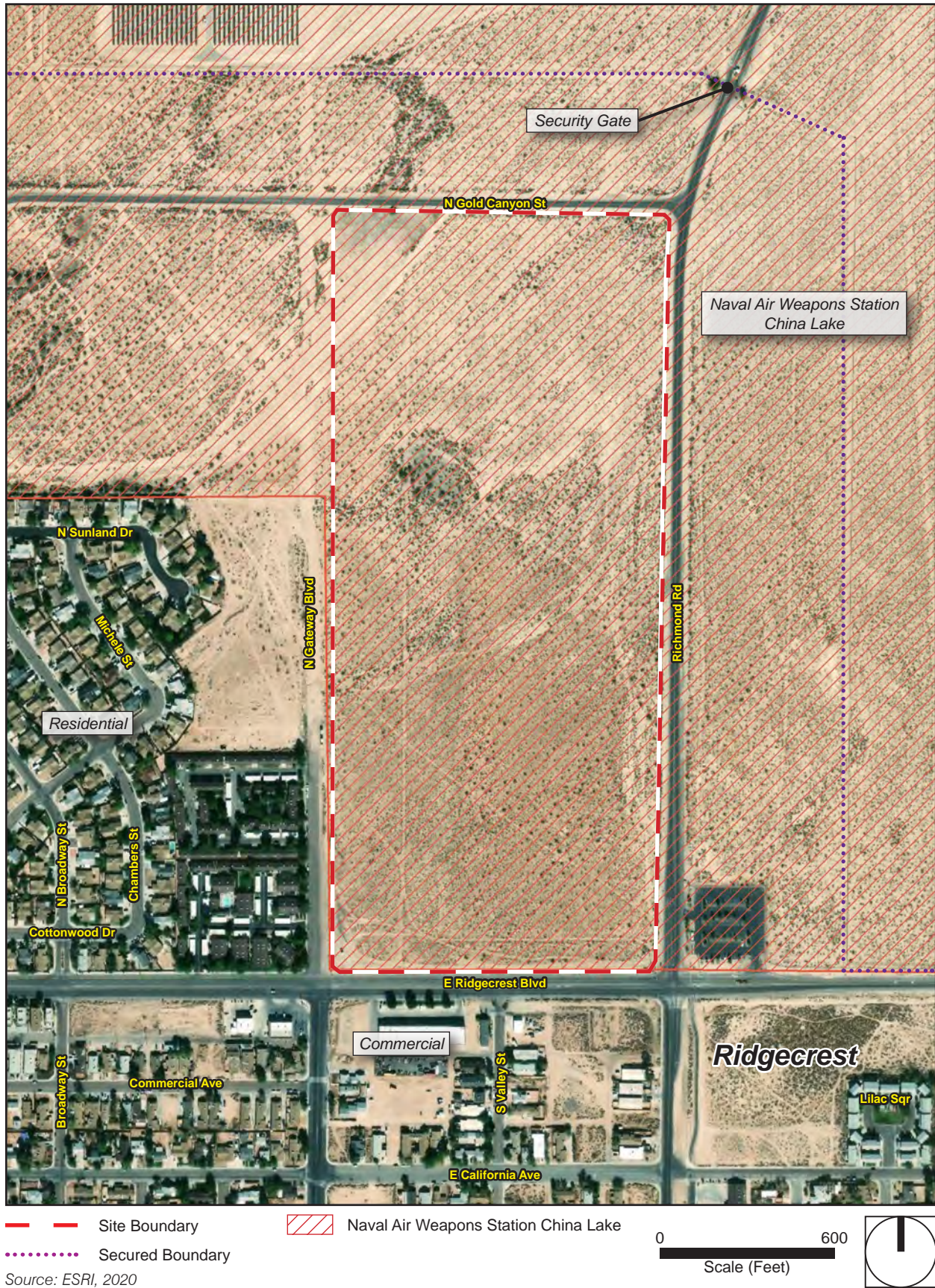
Source: ESRI, 2020

0 1
Scale (Miles)



PlaceWorks

Figure 3 - Aerial Photograph



Appendix A. Research Documentation

Appendix

This page intentionally left blank.



Richmond Elementary School Replacement

N. Gateway Blvd.

Ridgecrest, CA 93555

Inquiry Number: 6141580.5

July 31, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/31/20

Site Name:

Richmond Elementary School
N. Gateway Blvd.
Ridgecrest, CA 93555
EDR Inquiry # 6141580.5

Client Name:

PlaceWorks
3 MacArthur Place Suite 1100
Santa Ana, CA 92707
Contact: Michael Watson



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: May 28, 1994	USGS/DOQQ
1984	1"=500'	Flight Date: September 22, 1984	USDA
1975	1"=500'	Flight Date: August 31, 1975	USGS
1973	1"=500'	Flight Date: February 19, 1973	USGS
1948	1"=500'	Flight Date: September 30, 1948	USGS
1946	1"=500'	Flight Date: October 01, 1946	USGS

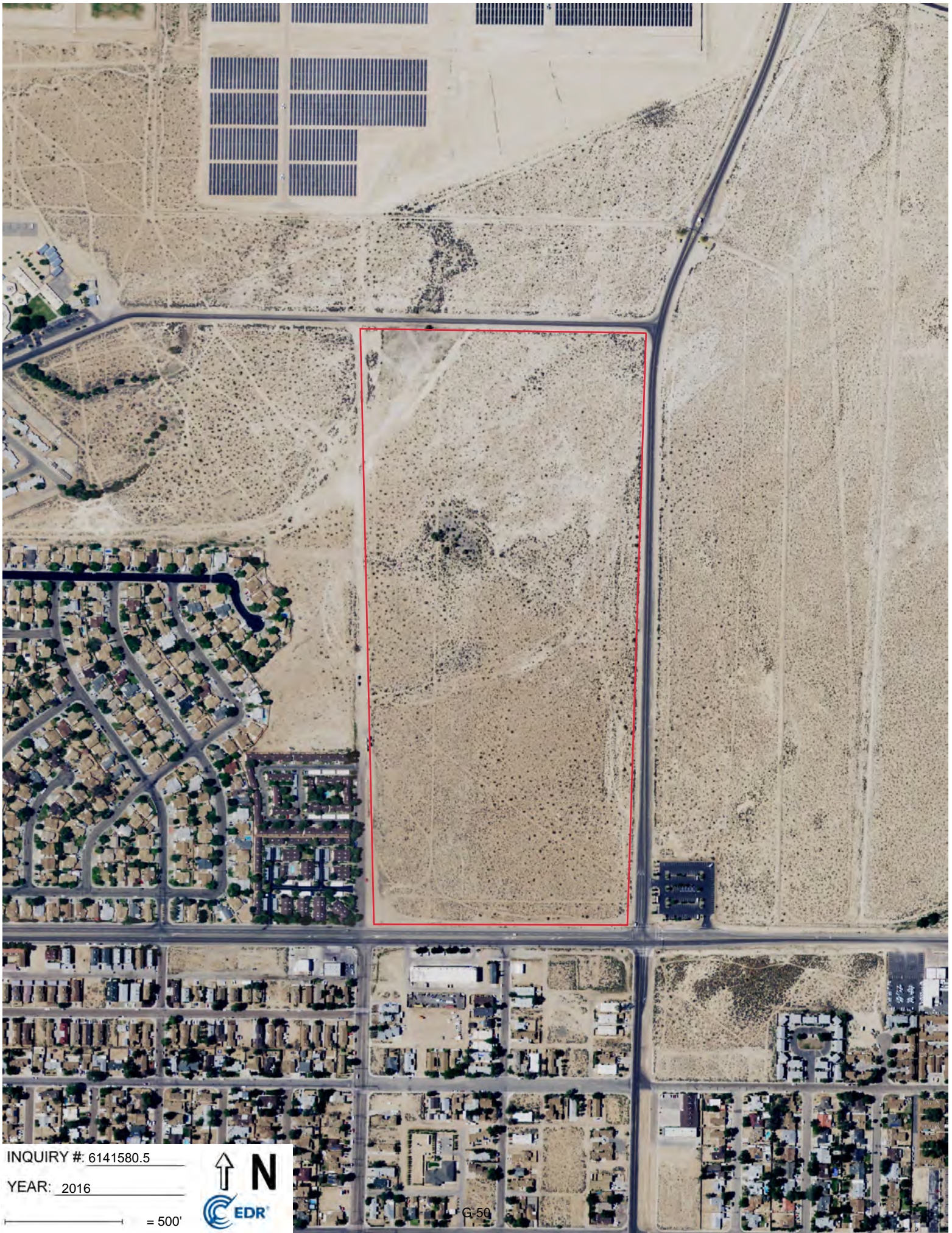
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 6141580.5

YEAR: 2016

— = 500'



G-50



INQUIRY #: 6141580.5

YEAR: 2012

= 500'



G-51



INQUIRY #: 6141580.5

YEAR: 2009

= 500'



G-52



INQUIRY #: 6141580.5

YEAR: 2005

— = 500'



G-53



INQUIRY #: 6141580.5

YEAR: 1994

— = 500'



G-54



INQUIRY #: 6141580.5

YEAR: 1984

— = 500'



G-55



INQUIRY #: 6141580.5

YEAR: 1975

— = 500'





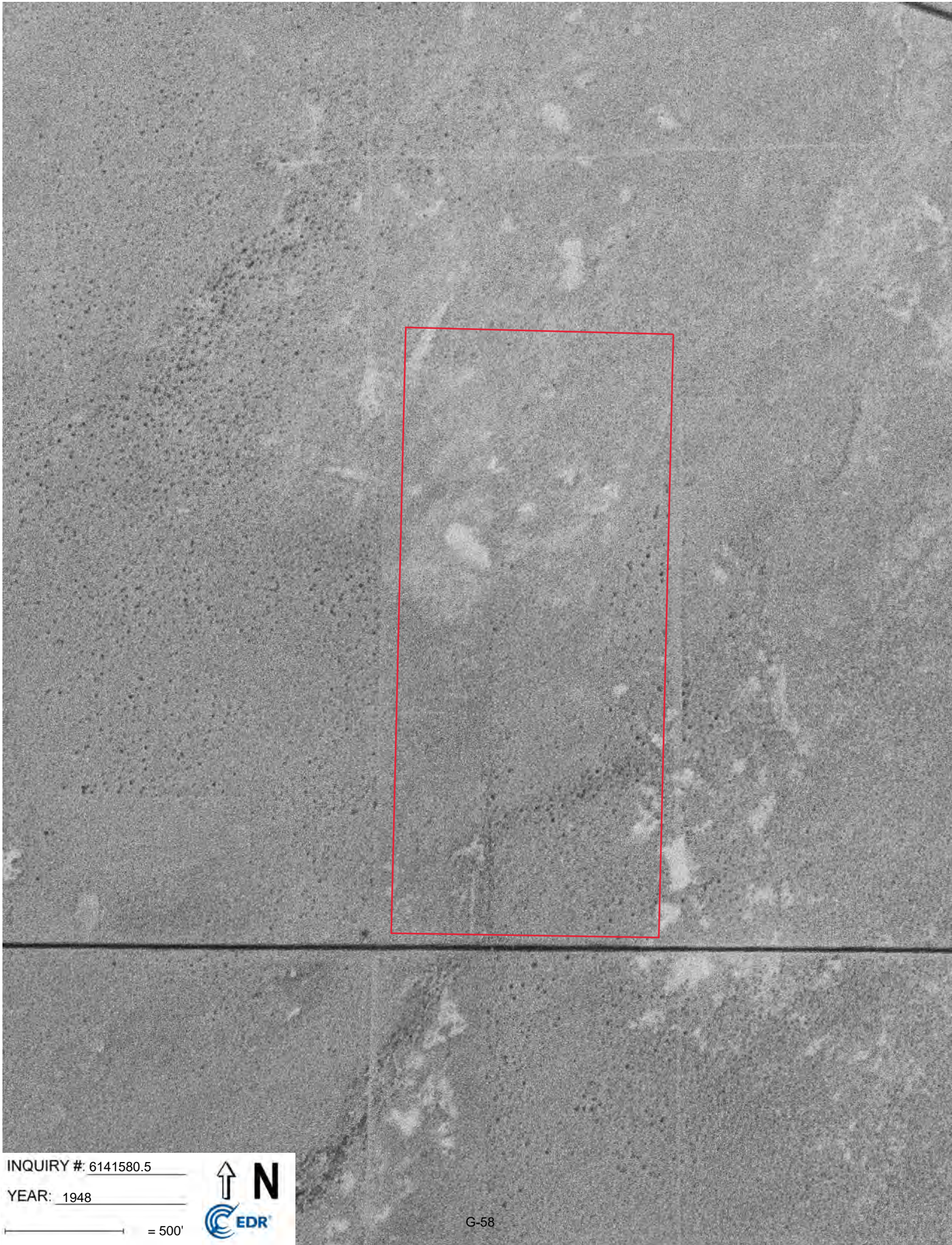
INQUIRY #: 6141580.5

YEAR: 1973

— = 500'



G-57

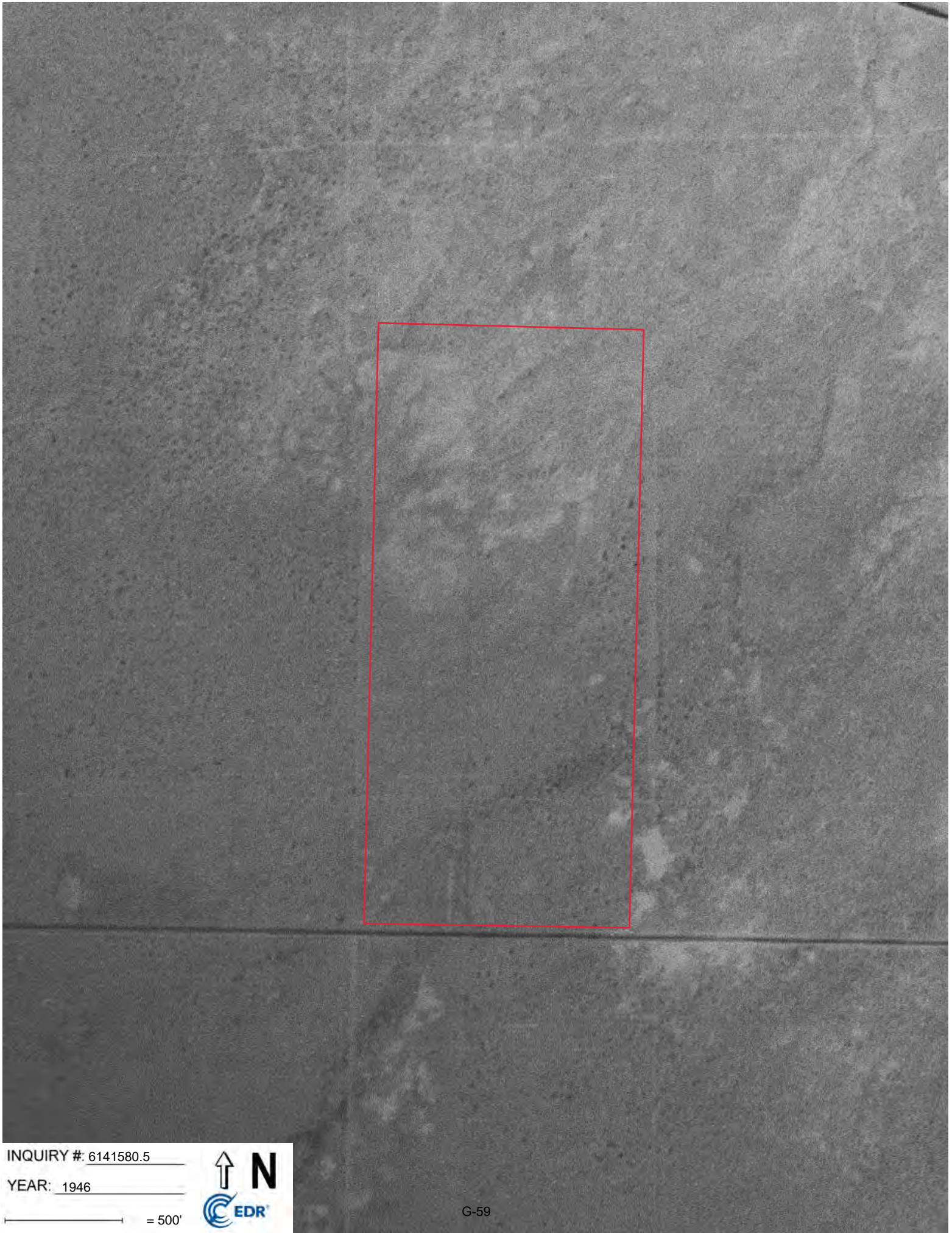


INQUIRY #: 6141580.5

YEAR: 1948

— = 500'





INQUIRY #: 6141580.5

YEAR: 1946

— = 500'





Richmond Elementary School Replacement

N. Gateway Blvd.

Ridgecrest, CA 93555

Inquiry Number: 6141580.4

July 31, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/31/20

Site Name:

Richmond Elementary School f
N. Gateway Blvd.
Ridgecrest, CA 93555
EDR Inquiry # 6141580.4

Client Name:

PlaceWorks
3 MacArthur Place Suite 1100
Santa Ana, CA 92707
Contact: Michael Watson



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by PlaceWorks were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	35.62637 35° 37' 35" North
Project:	SSSD-06.0	Longitude:	-117.65052 -117° 39' 2" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	441094.46
		UTM Y Meters:	3942703.51
		Elevation:	2257.00' above sea level

Maps Provided:

2012
1973
1953

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

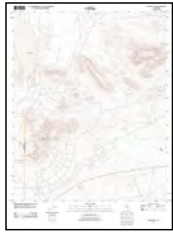
Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

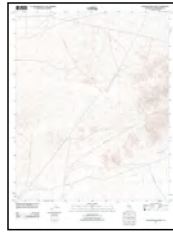
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Lone Butte
2012
7.5-minute, 24000



Spangler Hills West
2012
7.5-minute, 24000

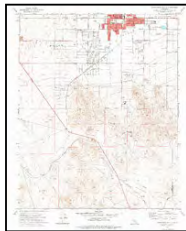


Ridgecrest North
2012
7.5-minute, 24000



Ridgecrest South
2012
7.5-minute, 24000

1973 Source Sheets



Ridgecrest South
1973
7.5-minute, 24000
Aerial Photo Revised 1972



Spangler Hills West
1973
7.5-minute, 24000
Aerial Photo Revised 1972



Ridgecrest North
1973
7.5-minute, 24000
Aerial Photo Revised 1972



Lone Butte
1973
7.5-minute, 24000
Aerial Photo Revised 1972

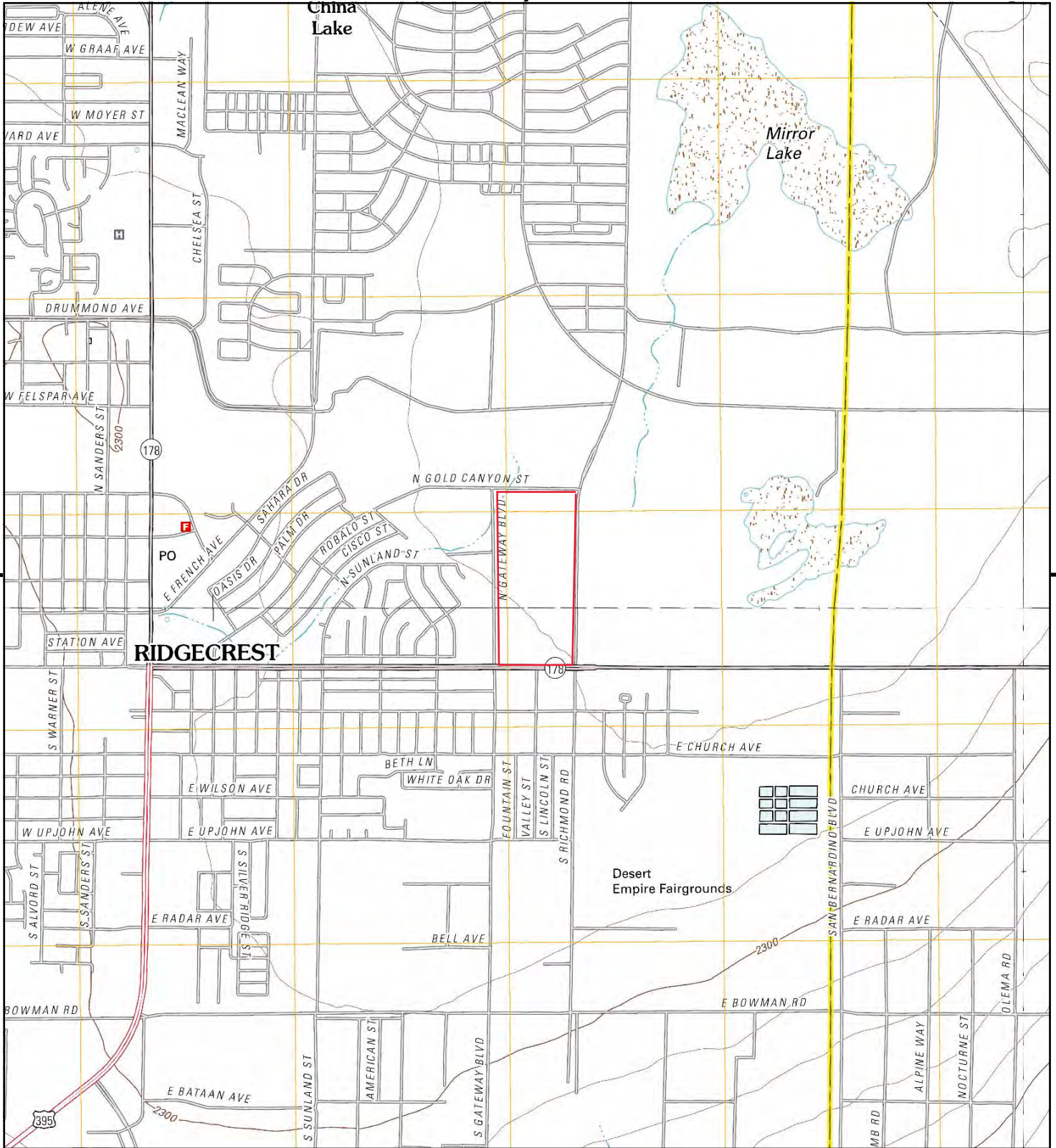
1953 Source Sheets



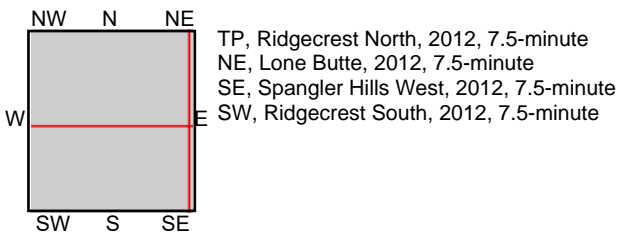
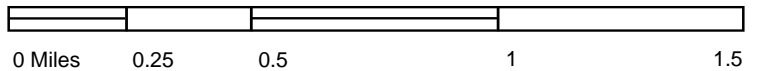
RIDGE CREST
1953
15-minute, 62500



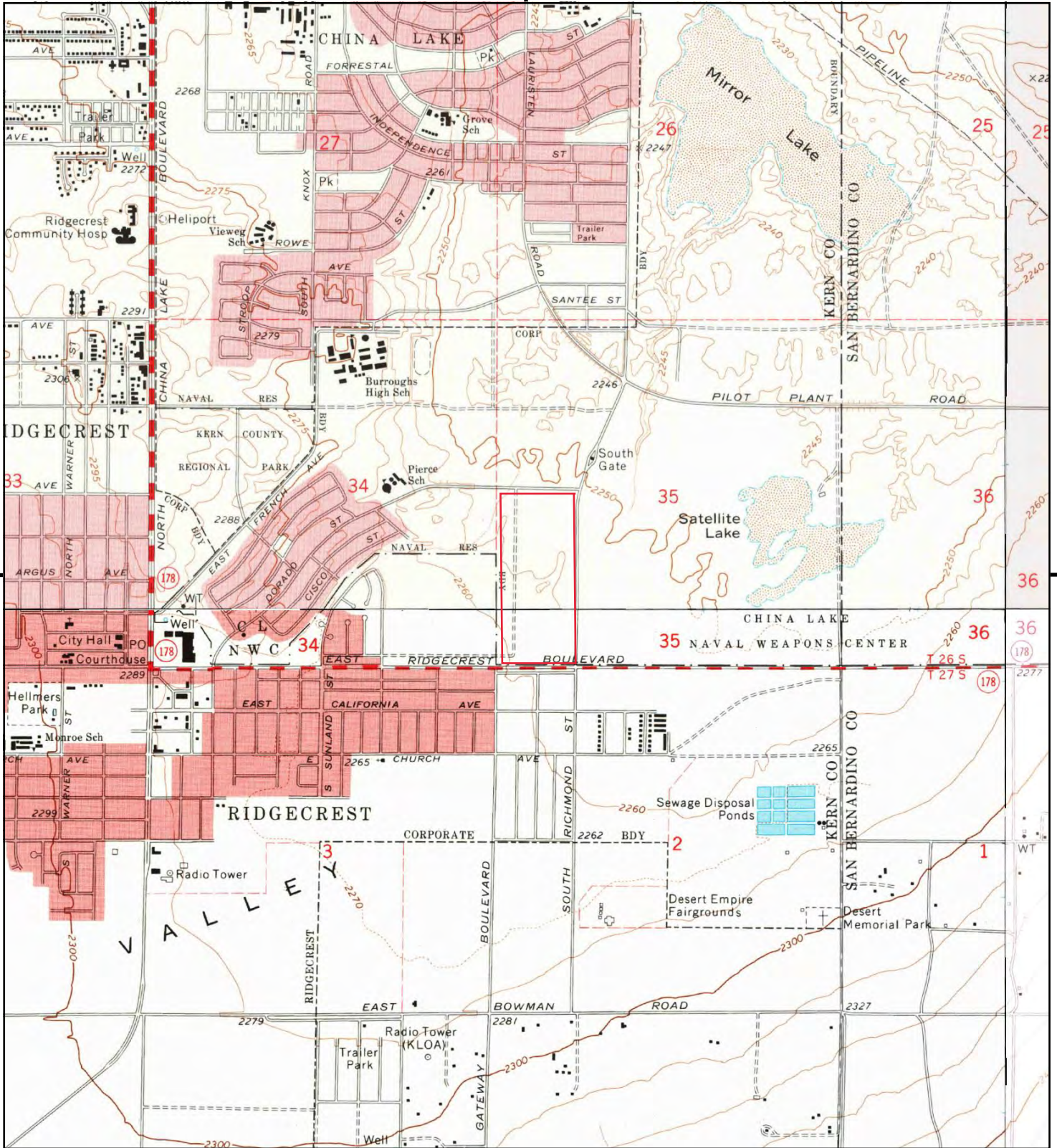
Ridgecrest
1953
15-minute, 62500
Aerial Photo Revised 1948



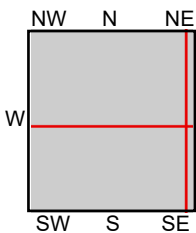
This report includes information from the following map sheet(s).



SITE NAME: Richmond Elementary School Replaceme
ADDRESS: N. Gateway Blvd.
 Ridgecrest, CA 93555
CLIENT: PlaceWorks

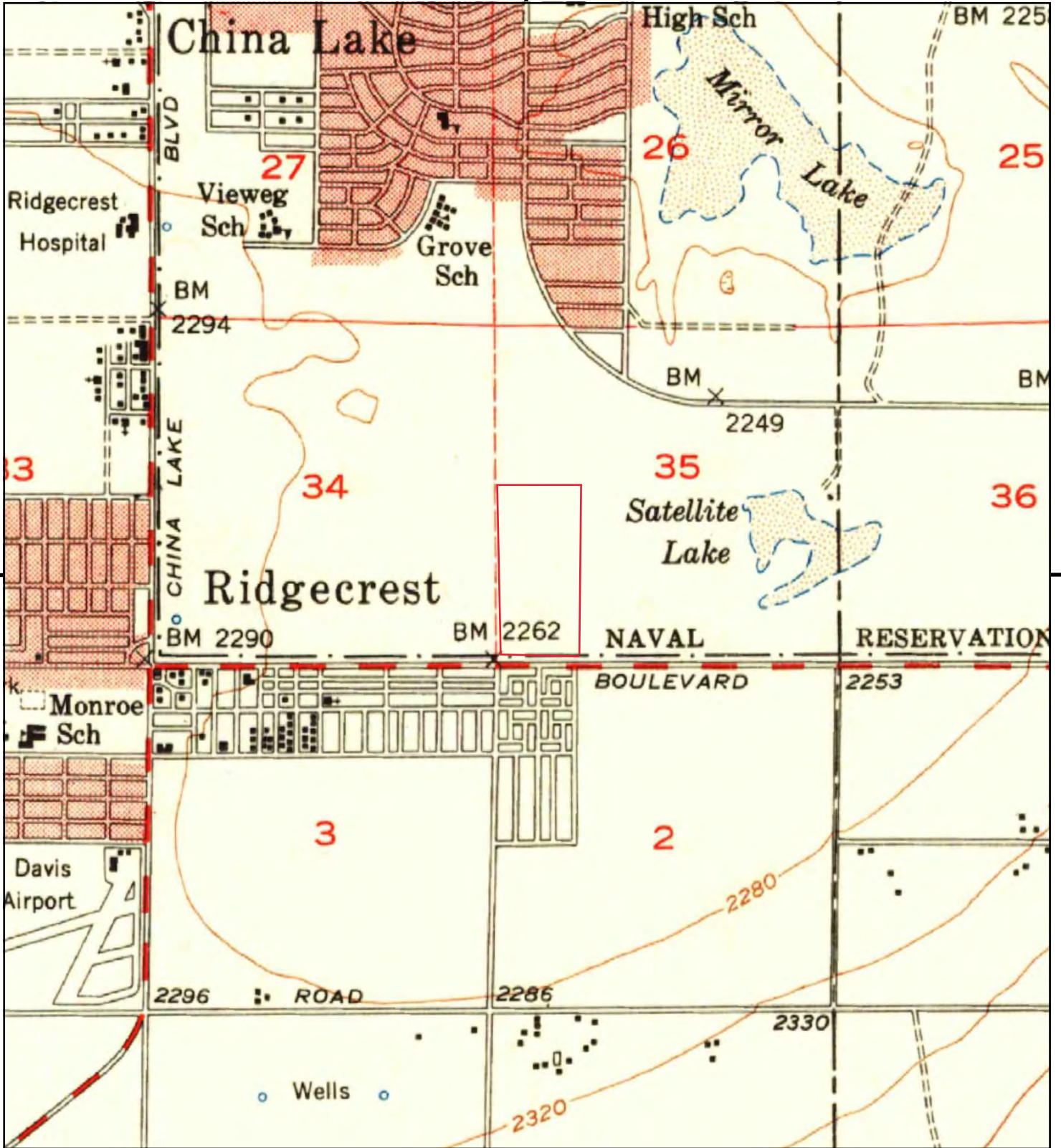


This report includes information from the following map sheet(s).

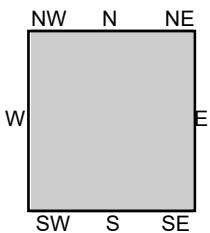


TP, Ridgecrest North, 1973, 7.5-minute
NE, Lone Butte, 1973, 7.5-minute
SE, Spangler Hills West, 1973, 7.5-minute
SW, Ridgecrest South, 1973, 7.5-minute

SITE NAME: Richmond Elementary School Replaceme
ADDRESS: N. Gateway Blvd.
Ridgecrest, CA 93555
CLIENT: PlaceWorks



This report includes information from the following map sheet(s).



TP, RIDGE CREST, 1953, 15-minute
TP, Ridgecrest, 1953, 15-minute

SITE NAME: Richmond Elementary School Replaceme
ADDRESS: N. Gateway Blvd.
Ridgecrest, CA 93555
CLIENT: PlaceWorks

Appendix B. EDR

Appendix

This page intentionally left blank.

Richmond Elementary School Replacement

N. Gateway Blvd.

Ridgecrest, CA 93555

Inquiry Number: 6141580.6s

July 31, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	18
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

N. GATEWAY BLVD.
RIDGECREST, CA 93555

COORDINATES

Latitude (North): 35.6263700 - 35° 37' 34.93"
Longitude (West): 117.6505200 - 117° 39' 1.87"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 441093.1
UTM Y (Meters): 3942504.0
Elevation: 2258 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5629446 RIDGECREST NORTH, CA
Version Date: 2012

Southwest Map: 5630585 RIDGECREST SOUTH, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140607
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
N. GATEWAY BLVD.
RIDGECREST, CA 93555

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	CHINA LAKE NAVAL WEA		DOD	Same	1 ft.
1	NEW MURRAY MIDDLE SC	NW CORNER E FRENCH D	ENVIROSTOR, SCH	Higher	4450, 0.843, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
CERS HAZ WASTE.....	CERS HAZ WASTE
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST.....	SWEEPS UST Listing
HIST UST.....	Hazardous Substance Storage Container Database
CERS TANKS.....	California Environmental Reporting System (CERS) Tanks
CA FID UST.....	Facility Inventory Database

Local Land Records

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data

EXECUTIVE SUMMARY

CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System
HWTS.....	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NEW MURRAY MIDDLE SC</i> Facility Id: 60001985 Status: Certified / Operation & Maintenance	<i>NW CORNER E FRENCH D</i>	<i>NW 1/2 - 1 (0.843 mi.)</i>	<i>1</i>	<i>9</i>

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHINA LAKE NAVAL WEA		0 - 1/8 (0.000 mi.)	0	9

EXECUTIVE SUMMARY

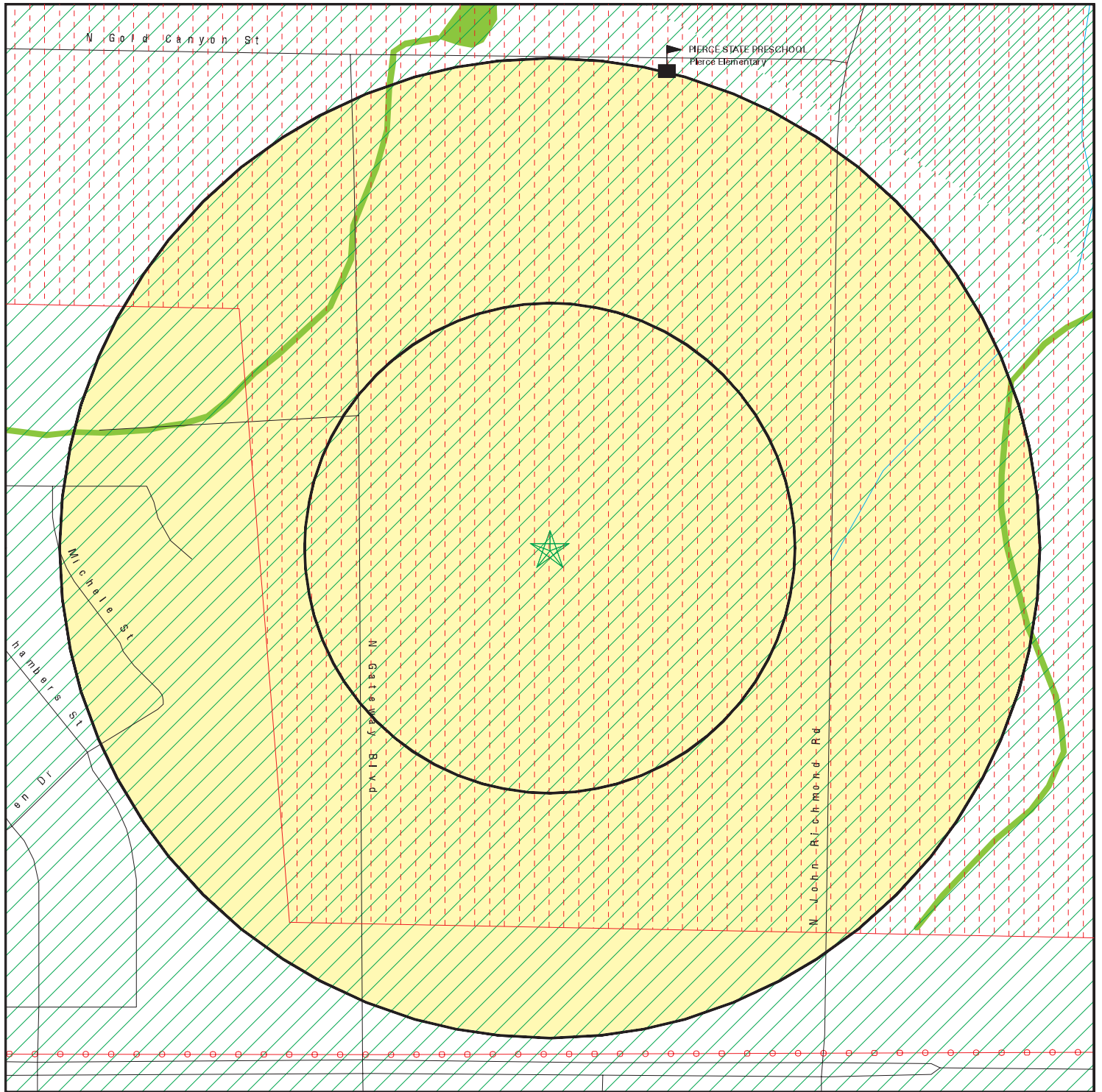
Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
CITY OF RIDGCREST	LUST
CHINA LAKE NWC, SOUTH	CA BOND EXP. PLAN
CHINA LAKE NWC, MAIN	CA BOND EXP. PLAN
CHINA LAKE NWC, ARM.	CA BOND EXP. PLAN

- This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

CLIENT: PlaceWorks
CONTACT: Michael Watson
G-70 INQUIRY #: 6141580.6s
DATE: July 31, 2020 6:20 pm

DETAIL MAP - 6141580.6S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ⚡ National Priority List Sites
- ⚡ Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Richmond Elementary School Replacement
 ADDRESS: N. Gateway Blvd.
 Ridgecrest CA 93555
 LAT/LONG: 35.62637 / 117.65052

CLIENT: PlaceWorks
 CONTACT: Michael Watson
 G-36 INQUIRY #: 6141580.6s
 DATE: July 31, 2020 6:21 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		1	0	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		0	1	0	0	1	0	2
-------------	--	---	---	---	---	---	---	---

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOD
Region

CHINA LAKE NAVAL WEAPONS CENTER
CHINA LAKE NAVAL WEAPONS (County), CA

DOD CUSA137928
N/A

< 1/8
1 ft.

DOD:

Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: China Lake Naval Weapons Center
Name 2: Not reported
Name 3: Not reported
State: CA
DOD Site: Yes
Tile name: CAINYO

1
NW
1/2-1
0.843 mi.
4450 ft.

NEW MURRAY MIDDLE SCHOOL
NW CORNER E FRENCH DR AND DRUMMOND AVE
RIDGECREST, CA 93555

ENVIROSTOR S116490699
SCH N/A

Relative:
Higher

Actual:
2277 ft.

ENVIROSTOR:

Name: NEW MURRAY MIDDLE SCHOOL
Address: NW CORNER E FRENCH DR AND DRUMMOND AVE
City,State,Zip: RIDGECREST, CA 93555
Facility ID: 60001985
Status: Certified / Operation & Maintenance
Status Date: 08/01/2017
Site Code: 104727
Site Type: School Cleanup
Site Type Detailed: School
Acres: 48
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 34
Senate: 16
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 35.6346
Longitude: -117.6616
APN: NONE SPECIFIED
Past Use: ELECTRIC GENERATION/SUBSTATION, RESIDENTIAL AREA
Potential COC: Aldrin Dieldrin
Confirmed COC: Aldrin Dieldrin
Potential Description: SOIL, UE
Alias Name: 104727
Alias Type: Project Code (Site Code)
Alias Name: 60001985
Alias Type: Envirostor ID Number

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Tech Memo
Completed Date: 10/21/2014
Comments: DTSC concurred with the sampling strategy technical memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/10/2015
Comments: DTSC approved the Removal Action Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/25/2015
Comments: Community Profile

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/25/2015
Comments: Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/25/2015
Comments: Community Update

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/20/2016
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/19/2016
Comments: RAW Implementation was completed on May 19, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 11/10/2015
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 09/20/2016
Comments: Approved as a part of RACR

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/30/2018
Comments: DTSC processed conditional approval letter for the O&M Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/23/2019
Comments: DTSC approved 2019 Q1 O&M Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2018
Comments: DTSC approved Q3 monitoring report for the burial cell

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/11/2019
Comments: DTSC approved Q4 Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/08/2019
Comments: DTSC approved Q2 Inspection Report for Burial Cell

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/08/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/17/2014
Comments: Fully executed EOA received and uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/30/2015
Comments: Processed IS Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/09/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Comments: On April 4, 2014, DTSC issue a disapproval of the Phase I with a PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/27/2014
Comments: On March 27, 2014, DTSC received an e-copy of the Preliminary Assessment and Site Inspection Report for the Active and Inactive Housing Areas and Schools dated January 28, 2000 via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 05/26/2015
Comments: Sent fully executed SCA (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2016
Comments: Annual Cost Estimate letter, dated 9/16/16, sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 08/01/2017
Comments: Fully executed O&M Agreement sent to District via regular mail on 08/02/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/03/2015
Comments: NOD filed with State Clearing House on November 3, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: Annual cost estimate letter sent 9/1/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2018
Comments: FY 1819 Estimate: \$14,533

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Date: 07/31/2018
Comments: Conducted Site Visit on 7/31/2018

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: NEW MURRAY MIDDLE SCHOOL
Address: NW CORNER E FRENCH DR AND DRUMMOND AVE
City,State,Zip: RIDGECREST, CA 93555
Facility ID: 60001985
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 48
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 104727
Assembly: 34
Senate: 16
Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 08/01/2017
Restricted Use: NO
Funding: School District
Latitude: 35.6346
Longitude: -117.6616
APN: NONE SPECIFIED
Past Use: ELECTRIC GENERATION/SUBSTATION, RESIDENTIAL AREA
Potential COC: Aldrin, Dieldrin
Confirmed COC: Aldrin, Dieldrin
Potential Description: SOIL, UE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Alias Name: 104727
Alias Type: Project Code (Site Code)
Alias Name: 60001985
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Tech Memo
Completed Date: 10/21/2014
Comments: DTSC concurred with the sampling strategy technical memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/10/2015
Comments: DTSC approved the Removal Action Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/25/2015
Comments: Community Profile

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/25/2015
Comments: Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/25/2015
Comments: Community Update

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/20/2016
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/19/2016
Comments: RAW Implementation was completed on May 19, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Document Type: 4.15 Request
Completed Date: 11/10/2015
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 09/20/2016
Comments: Approved as a part of RACR

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/30/2018
Comments: DTSC processed conditional approval letter for the O&M Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/23/2019
Comments: DTSC approved 2019 Q1 O&M Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2018
Comments: DTSC approved Q3 monitoring report for the burial cell

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/11/2019
Comments: DTSC approved Q4 Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/08/2019
Comments: DTSC approved Q2 Inspection Report for Burial Cell

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/08/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/17/2014
Comments: Fully executed EOA received and uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/30/2015
Comments: Processed IS Approval

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/09/2014
Comments: On April 4, 2014, DTSC issue a disapproval of the Phase I with a PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/27/2014
Comments: On March 27, 2014, DTSC received an e-copy of the Preliminary Assessment and Site Inspection Report for the Active and Inactive Housing Areas and Schools dated January 28, 2000 via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 05/26/2015
Comments: Sent fully executed SCA (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2016
Comments: Annual Cost Estimate letter, dated 9/16/16, sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 08/01/2017
Comments: Fully executed O&M Agreement sent to District via regular mail on 08/02/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/03/2015
Comments: NOD filed with State Clearing House on November 3, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: Annual cost estimate letter sent 9/1/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2018
Comments: FY 1819 Estimate: \$14,533

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MURRAY MIDDLE SCHOOL (Continued)

S116490699

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/31/2018
Comments: Conducted Site Visit on 7/31/2018

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIDGECREST	S100833216	CHINA LAKE NWC, SOUTH	NORTH OF RIDGECREST	93555	CA BOND EXP. PLAN
RIDGECREST	S100833215	CHINA LAKE NWC, MAIN	NORTH OF RIDGECREST	93555	CA BOND EXP. PLAN
RIDGECREST	S100833214	CHINA LAKE NWC, ARM.	NORTH OF RIDGECREST	93555	CA BOND EXP. PLAN
RIDGECREST	S105193262	CITY OF RIDGCREST	636 RIDGECREST BLVD.	93555	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 07/17/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2020

Date Data Arrived at EDR: 03/24/2020

Date Made Active in Reports: 06/18/2020

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/11/2020

Date Data Arrived at EDR: 05/12/2020

Date Made Active in Reports: 07/27/2020

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/12/2020

Next Scheduled EDR Contact: 08/24/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/23/2020
Next Scheduled EDR Contact: 11/01/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/17/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/05/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/03/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-323-3400
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/31/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 07/09/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 07/20/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admin
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 05/18/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020	Source: EPA
Date Data Arrived at EDR: 02/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/19/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/23/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/24/2020	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/04/2020	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 05/06/2020	Telephone: 415-252-3896
Date Made Active in Reports: 07/17/2020	Last EDR Contact: 07/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 71

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/15/2020	Telephone: 916-341-6066
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 04/29/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/08/2020	Telephone: 916-440-7145
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/07/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-322-1080
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/12/2020	Source: Department of Public Health
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-558-1784
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/12/2020	Telephone: 916-445-9379
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-445-4038
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-323-3836
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2020	Telephone: 916-445-3846
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/10/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-445-2408
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/13/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/07/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/17/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 04/09/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 03/27/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/01/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/06/2020
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/16/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/08/2020
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 05/07/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/23/2020
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/10/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 73

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 69

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2020

Date Data Arrived at EDR: 05/05/2020

Date Made Active in Reports: 07/17/2020

Number of Days to Update: 73

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 05/05/2020

Next Scheduled EDR Contact: 08/17/2020

Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020

Date Data Arrived at EDR: 03/03/2020

Date Made Active in Reports: 05/13/2020

Number of Days to Update: 71

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 05/27/2020

Next Scheduled EDR Contact: 09/14/2020

Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019

Date Data Arrived at EDR: 04/23/2019

Date Made Active in Reports: 06/26/2019

Number of Days to Update: 64

Source: Plumas County Environmental Health

Telephone: 530-283-6355

Last EDR Contact: 07/14/2020

Next Scheduled EDR Contact: 11/02/2020

Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020

Date Data Arrived at EDR: 03/11/2020

Date Made Active in Reports: 05/20/2020

Number of Days to Update: 70

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 02/10/2020

Next Scheduled EDR Contact: 09/28/2020

Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020

Date Data Arrived at EDR: 03/11/2020

Date Made Active in Reports: 05/20/2020

Number of Days to Update: 70

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 06/10/2020

Next Scheduled EDR Contact: 09/28/2020

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/12/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 05/15/2020

Next Scheduled EDR Contact: 09/07/2020

Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020

Date Data Arrived at EDR: 04/24/2020

Date Made Active in Reports: 05/07/2020

Number of Days to Update: 13

Source: City of San Jose Fire Department

Telephone: 408-535-7694

Last EDR Contact: 07/28/2020

Next Scheduled EDR Contact: 11/16/2020

Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 05/07/2020

Next Scheduled EDR Contact: 08/31/2020

Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017

Date Data Arrived at EDR: 06/19/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 51

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789

Last EDR Contact: 05/07/2020

Next Scheduled EDR Contact: 08/31/2020

Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019

Date Data Arrived at EDR: 06/06/2019

Date Made Active in Reports: 08/13/2019

Number of Days to Update: 68

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 05/26/2020

Next Scheduled EDR Contact: 09/13/2020

Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020

Date Data Arrived at EDR: 03/04/2020

Date Made Active in Reports: 05/14/2020

Number of Days to Update: 71

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 06/23/2020

Next Scheduled EDR Contact: 09/14/2020

Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 79

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/08/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 03/16/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 70

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 05/14/2020
Date Data Arrived at EDR: 05/15/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 73

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 77

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 79

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RICHMOND ELEMENTARY SCHOOL REPLACEMENT
N. GATEWAY BLVD.
RIDGECREST, CA 93555

TARGET PROPERTY COORDINATES

Latitude (North):	35.62637 - 35° 37' 34.93"
Longitude (West):	117.65052 - 117° 39' 1.87"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	441093.1
UTM Y (Meters):	3942504.0
Elevation:	2258 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5629446 RIDGECREST NORTH, CA
Version Date:	2012
Southwest Map:	5630585 RIDGECREST SOUTH, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

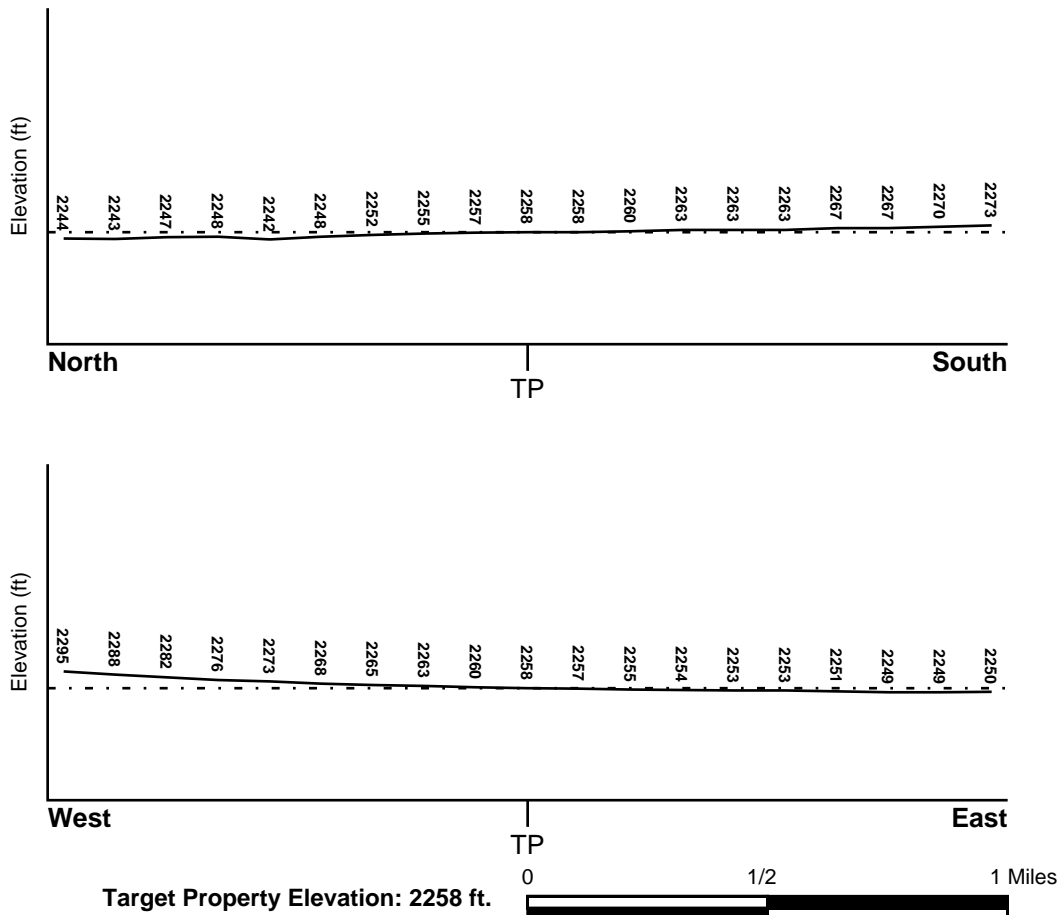
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06029C1045E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06029C1600E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
RIDGECREST NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CAJON

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
2	7 inches	13 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
3	13 inches	25 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
4	25 inches	45 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
5	45 inches	60 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
loam
loamy fine sand
coarse sand
gravelly - fine sand
sandy loam
loamy coarse sand
coarse sandy loam

Surficial Soil Types: fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

loam
loamy fine sand
coarse sand
gravelly - fine sand
sandy loam
loamy coarse sand
coarse sandy loam

Shallow Soil Types: loamy sand
sandy loam
sandy clay loam
clay loam
loam
gravelly - sandy loam

Deeper Soil Types: silt loam
loamy fine sand
very gravelly - loamy sand
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000165310	1/8 - 1/4 Mile South
2	USGS40000165311	1/4 - 1/2 Mile SW
A3	USGS40000165309	1/2 - 1 Mile ESE
A5	USGS40000165303	1/2 - 1 Mile ESE
6	USGS40000165230	1/2 - 1 Mile SSE
D10	USGS40000165404	1/2 - 1 Mile ENE
D11	USGS40000165405	1/2 - 1 Mile ENE
E12	USGS40000165228	1/2 - 1 Mile SE
E13	USGS40000165229	1/2 - 1 Mile SE
C14	USGS40000165257	1/2 - 1 Mile SE
15	USGS40000165260	1/2 - 1 Mile ESE
F16	USGS40000165186	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

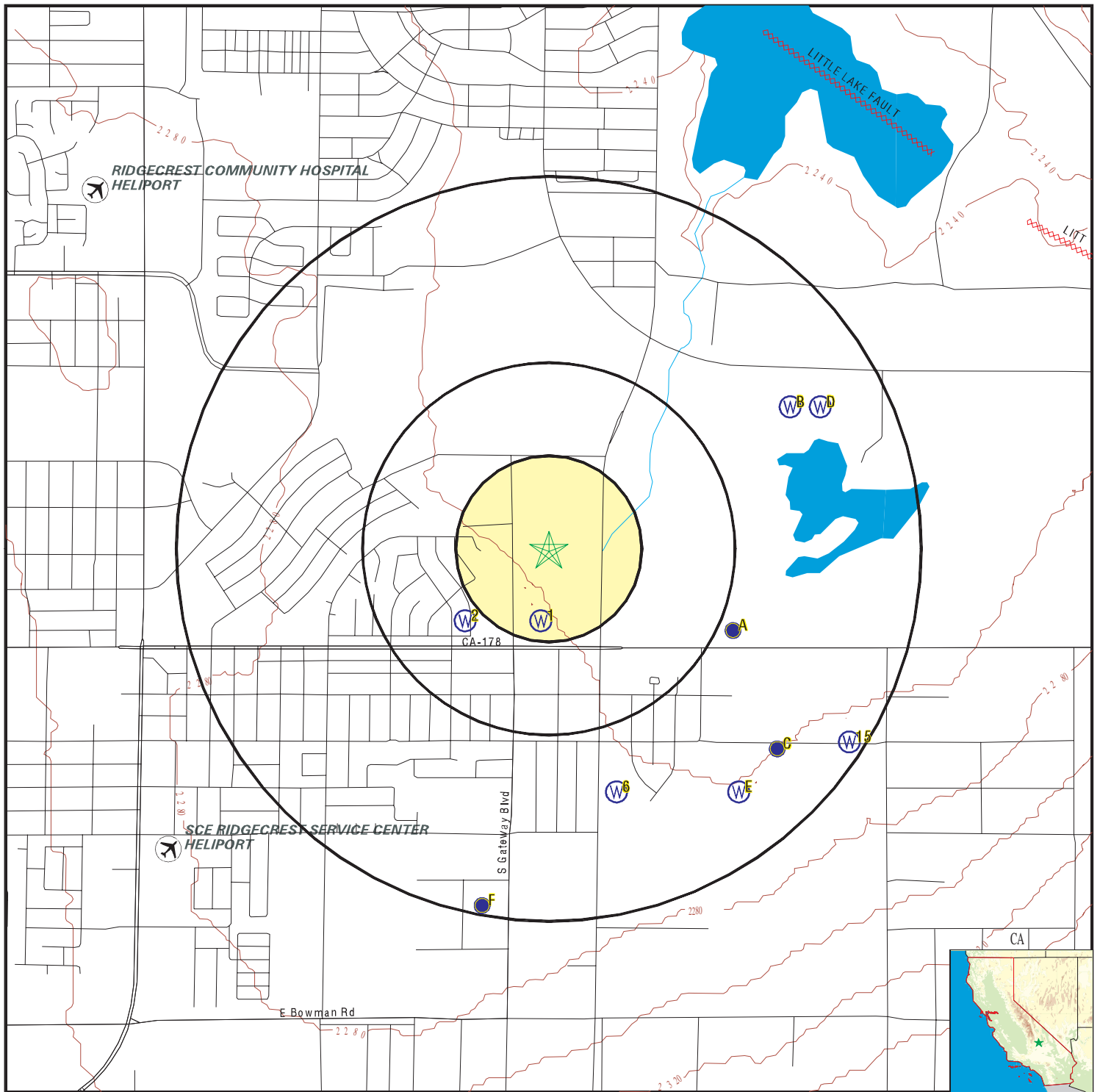
MAP ID	WELL ID	LOCATION FROM TP
<u>No PWS System Found</u>		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	CADWR8000019439	1/2 - 1 Mile ESE
B7	CADWR8000019528	1/2 - 1 Mile ENE
B8	CADWR8000019529	1/2 - 1 Mile ENE
C9	CADWR8000019406	1/2 - 1 Mile SE
F17	CADWR8000019343	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 6141580.6s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Richmond Elementary School Replacement
 ADDRESS: N. Gateway Blvd.
 Ridgecrest CA 93555
 LAT/LONG: 35.62637 / 117.65052

CLIENT: PlaceWorks
 CONTACT: Michael Watson
 G-15 INQUIRY #: 6141580.6s
 DATE: July 31, 2020 6:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
South
1/8 - 1/4 Mile
Higher

FED USGS USGS40000165310

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	026S040E35N001M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	64
Well Hole Depth Units:	ft		

2
SW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000165311

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	026S040E34R001M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	180
Well Hole Depth Units:	ft		

A3
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000165309

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	026S040E35Q001M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	120
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A4
ESE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000019439

State Well #:	26S40E35Q002M	Station ID:	37605
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Indian Wells Valley	Well Completion Rpt #:	Not Reported

A5
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000165303

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	026S040E35Q002M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720616	Well Depth:	127
Well Depth Units:	ft	Well Hole Depth:	127
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	12	Level reading date:	1989-01-19
Feet below surface:	72.14	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1985-04-01	Feet below surface:	68.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-19	Feet below surface:	68.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-07	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-15	Feet below surface:	66.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-17	Feet below surface:	66.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-17	Feet below surface:	65.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-10	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-21	Feet below surface:	64.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-21	Feet below surface:	63.45
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1972-08-09	Feet below surface:	63.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-23	Feet below surface:	63.56
Feet to sea level:	Not Reported	Note:	Not Reported

6
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000165230

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18090205
Monitor Location:	027S040E02F001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Aquifer Type:	Not Reported
Contrib Drainage Area:	Not Reported	Well Depth:	127
Aquifer:	Basin and Range basin-fill aquifers	Well Hole Depth:	127
Formation Type:	Not Reported		
Construction Date:	19720101		
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

B7
ENE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000019528

State Well #:	26S40E35H001M	Station ID:	37604
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Indian Wells Valley	Well Completion Rpt #:	Not Reported

B8
ENE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000019529

State Well #:	26S40E35H002M	Station ID:	21745
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Indian Wells Valley	Well Completion Rpt #:	Not Reported

C9
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR8000019406

State Well #:	27S40E02G003M	Station ID:	21709
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Indian Wells Valley	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D10
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000165404

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	026S040E35H001M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19860209	Well Depth:	150
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	15	Level reading date:	1993-04-06
Feet below surface:	72.20	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-04-16	Feet below surface:	72.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-24	Feet below surface:	71.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-14	Feet below surface:	70.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-11	Feet below surface:	68.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-23	Feet below surface:	68.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-22	Feet below surface:	68.85
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1988-10-29	Feet below surface:	67.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-12	Feet below surface:	67.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-21	Feet below surface:	67.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-24	Feet below surface:	67.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-02	Feet below surface:	67.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-13	Feet below surface:	67.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-15	Feet below surface:	66.93

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-13	Feet below surface:	66.96
Feet to sea level:	Not Reported	Note:	Not Reported

D11
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000165405

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center	Type:	Well
Monitor Location:	026S040E35H002M	HUC:	18090205
Description:	Not Reported	Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Contrib Drainage Area:	Not Reported		
Aquifer:	Basin and Range basin-fill aquifers	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	500
Construction Date:	19870618	Well Hole Depth:	500
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	11	Level reading date:	1993-04-06
Feet below surface:	83.58	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-04-16	Feet below surface:	82.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-24	Feet below surface:	82.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-14	Feet below surface:	82.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-11	Feet below surface:	80.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-23	Feet below surface:	79.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-22	Feet below surface:	79.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	73.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-12	Feet below surface:	72.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-21	Feet below surface:	73.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-02	Feet below surface:	72.25
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E12
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000165228

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	027S040E02G001M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720101	Well Depth:	127
Well Depth Units:	ft	Well Hole Depth:	127
Well Hole Depth Units:	ft		

E13
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000165229

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	027S040E02G002M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720101	Well Depth:	79
Well Depth Units:	ft	Well Hole Depth:	102
Well Hole Depth Units:	ft		

C14
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000165257

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	027S040E02G003M	Type:	Well
Description:	Not Reported	HUC:	18090205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	6	Level reading date:	1993-04-06
Feet below surface:	88.83	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1992-04-16	Feet below surface:	88.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-23	Feet below surface:	84.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-22	Feet below surface:	84.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-20	Feet below surface:	84.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-10	Feet below surface:	84.44
Feet to sea level:	Not Reported	Note:	Not Reported

15 ESE 1/2 - 1 Mile Higher

FED USGS USGS40000165260

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18090205
Monitor Location:	027S040E02A001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Aquifer Type:	Not Reported
Contrib Drainage Area:	Not Reported	Well Depth:	127
Aquifer:	Basin and Range basin-fill aquifers	Well Hole Depth:	127
Formation Type:	Not Reported		
Construction Date:	19720101		
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

F16 South 1/2 - 1 Mile Higher

FED USGS USGS40000165186

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18090205
Monitor Location:	027S040E03J001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Aquifer Type:	Not Reported
Contrib Drainage Area:	Not Reported	Well Depth:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers	Well Hole Depth:	150
Formation Type:	Not Reported		
Construction Date:	19570101		
Well Depth Units:	Not Reported		
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	1960-07-01
Feet below surface:	83.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

F17
SSW
1/2 - 1 Mile
Higher

CA WELLS

CADWR8000019343

State Well #: 27S40E03J001M
Well Name: Not Reported
Well Type: Unknown
Basin Name: Indian Wells Valley

Station ID: 21710
Well Use: Unknown
Well Depth: 0
Well Completion Rpt #: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93555	45	3

Federal EPA Radon Zone for KERN County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93555

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.586 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix C. Site Photographs

Appendix

This page intentionally left blank.



PLACEWORKS

SITE PHOTOGRAPHS

Client Name: Sierra Sands Unified School District
Site Location: Richmond Elementary School Replacement
Project No.: SSSD-06.0

Photo No:
1

Date:
6/30/2020

Description:

View of the western edge of the site along Gateway Boulevard (dirt road), looking northwest.



Photo No:
2

Date:
6/30/2020

Description:

View of central portion of the site, looking south.





PLACEWORKS

SITE PHOTOGRAPHS

Client Name: Sierra Sands Unified School District
Site Location: Richmond Elementary School Replacement
Project No.: SSSD-06.0

Photo No:
3

Date:
6/30/2020

Description:

View of the northern portion of the site, looking northeast. The south gate of the base is a blue-topped structure in the distance.



Photo No:
4

Date:
6/30/2020

Description:

View of the eastern portion of the site, looking southeast.





PLACEWORKS

SITE PHOTOGRAPHS

Client Name: Sierra Sands Unified School District
Site Location: Richmond Elementary School Replacement
Project No.: SSSD-06.0

Photo No:
5

Date:
9/30/2020

Description:

View of the southwestern corner of the site from the intersection of Ridgecrest Boulevard and Gateway Boulevard, looking northeast.



Photo No:
6

Date:
9/30/2020

Description:

View of northwest corner of the site, looking southwest.





PLACEWORKS

SITE PHOTOGRAPHS

Client Name: Sierra Sands Unified School District
Site Location: Richmond Elementary School Replacement
Project No.: SSSD-06.0

Photo No:
7

Date:
9/30/2020

Description:

View of the northeast corner of the site, looking southwest.



Photo No:
8

Date:
9/30/2020

Description:

View of the southeast corner of the site, looking northwest.



Appendix D. Phase I Addendum

Appendix

This page intentionally left blank.

October 2020 | Phase I Environmental Site Assessment Addendum

Richmond Elementary School Replacement

for Sierra Sands Unified School District

Prepared for:

Sierra Sands Unified School District

Contact: Pamela P. Smith, Assistant Superintendent of Business Services
113 W. Felspar Avenue
Ridgecrest, California 93555

Prepared by:

PlaceWorks

Michael Watson, PG, Associate Geologist
2850 Inland Empire Blvd, Suite B
Ontario, California 91764
909.989.4449
info@PlaceWorks.com
www.PlaceWorks.com



Table of Contents

Section	Page
Executive Summary	1
1. Introduction.....	3
1.1 SCOPE OF WORK	3
2. Sampling Activities and Results	5
2.1 UTILITY CLEARANCE.....	5
2.2 SOIL SAMPLING	5
2.2.1 Sampling Methods and Procedures.....	5
2.3 QUALITY CONTROL SAMPLING PROCEDURES	6
2.4 DECONTAMINATION PROCEDURES AND WASTE MANAGEMENT	6
2.5 RESULTS.....	6
2.5.1 Soil Description.....	6
2.5.2 Pesticides	6
2.5.3 Polychlorinated Biphenyls	7
2.5.4 Total Petroleum Hydrocarbon Chains.....	7
2.5.5 Asbestos	7
2.5.6 CAM-17 Metals	7
3. Human Health Screening Evaluation	9
3.1 LEAD SCREENING	9
3.2 UNCERTAINTY ANALYSIS	9
4. Quality Assurance/Quality Control Implementation	11
4.1 DATA VALIDATION	12
4.2 ACCURACY	12
4.3 PRECISION.....	13
4.4 SENSITIVITY	13
4.5 COMPLETENESS	13
4.6 DATA VALIDATION CHART	13
5. Health and Safety Procedures.....	15
6. Conclusions and Recommendations.....	17
7. References	19

Table of Contents

List of Tables

Table

Table 1	Summary Table of Sampling Program
Table 2	Summary Table of Organochlorine Pesticides in Soil
Table 3	Summary Table of Lead in Soil

List of Figures

Figure

Figure 1	Regional Location
Figure 2	Local Vicinity
Figure 3	Aerial Photograph
Figure 4	Site Plan with Sample Locations

List of Appendices

Appendix A.	Laboratory Reports
-------------	--------------------

Executive Summary

PlaceWorks has performed a Phase I Environmental Site Assessment (Phase I) Addendum on behalf of the Sierra Sands Unified School District for the proposed construction of the replacement for Richmond Elementary School (project site). The project site is on the east side of Gateway Boulevard between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road within Naval Air Weapons Station (NAWS) China Lake military base in the City of Ridgecrest, Kern County, California. The Phase I was performed in general conformance with the scope and limitations of the ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and also followed Department of Toxic Substances Control (DTSC) guidelines for Phase I evaluations for school sites.

The Phase I concluded that there were no Recognized Environmental Conditions (RECs), no Historical Recognized Environmental Conditions (HRECs), and no Controlled Recognized Environmental Conditions (CRECs). A Phase I Addendum was implemented as part of the District's assessment of proposed school sites in the area. Sampling was implemented in the area where construction of classroom buildings are currently planned to confirm that the site was feasible for a school.

The 77-acre site encompasses a portion of Assessor's Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing site boundaries and the current site conditions. The project site is vacant land with mostly native desert vegetation.

Sampling was conducted in the area of the proposed classroom buildings under an abundance of caution to assess the project site due to its association with a military base.

The sampling program and results are summarized below:

- A total of 34 soil samples plus 3 duplicates were collected. Samples were collected from 17 locations from 0 to 0.5 feet below ground surface (bgs) and from 2.5 to 3.0 feet bgs (Table 1).
- Five composite surface soil samples and one composite duplicate surface soil sample were analyzed for organochlorine pesticides by a State certified laboratory using United States Environmental Protection Agency (EPA) Method 8081A.
- Four soil samples plus one duplicate were collected from the surface to 0.5 feet were analyzed discretely for CAM-17 metals by EPA Method 6010B/7471A, polychlorinated biphenyls by EPA Method 8082, total petroleum hydrocarbon chains by EPA Method 8015M, and asbestos by EPA Method 600/R-93/116.
- No OCPs were detected above laboratory detection limits in soil. OCPs results are included in Table 2.

Executive Summary

- No PCBs were detected above laboratory detection limits in soil. PCBs results are included in Table 3.
- No TPH-cc was detected above laboratory detection limits in soil. TPH-cc results are included in Table 4.
- No asbestos was visible using polarized light microscopy in soil. Asbestos results are included in Table 5.
- Barium, chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected above laboratory detection limits in all five soil samples plus the duplicate sample analyzed. Arsenic was detected in two soil samples plus one duplicate sample analyzed.
- All metals in the soil samples analyzed were within background concentrations except for cobalt, copper and vanadium, although for these three metals, there were still some samples that were within background concentrations. The background data was obtained by PlaceWorks from a Phase I Addendum for Edwards Air Force Base TK-12 School on behalf of Muroc Joint Unified School District in 2017. The maximum concentrations of cobalt, copper and vanadium were all well below the EPA Region 9 Regional Screening Levels (RSLs). CAM-17 metals results are included in Table 6.
- Lead was detected in all 5 soil samples and the duplicate sample above laboratory reporting limits (Table 6). Lead concentrations at 0.5 feet ranged from 1.74 mg/kg to 5.74 mg/kg. The DTSC screening level for lead is 80 mg/kg. Lead concentrations at the site at 0.5 feet bgs are below the DTSC SL.
- Chemicals that were detected above laboratory reporting limits were screened against health-based screening levels. The risk estimate shows that the levels at the site do not pose a human health risk to the students or to the staff using an unrestricted residential land use scenario.

The results of the Phase I Addendum support the following conclusions and recommendations:

Per California Education Code Section 17213.1, Section 3, and the results of the Phase I Addendum, PlaceWorks conclude that further investigation of the site is not necessary.

1. Introduction

This document presents a Phase I Addendum Report for the Sierra Sands Unified School District and the Richmond Elementary School Replacement located on the east side of Gateway Boulevard between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road within Naval Air Weapons Station (NAWS) China Lake military base in the City of Ridgecrest, Kern County, California. Figure 1 shows the regional location of the existing school site and Figure 2 shows the local vicinity. Figure 3 is an aerial photograph showing the boundaries of the school site and Figure 4 shows the sampling locations. This Phase I Addendum was prepared by PlaceWorks on behalf of Sierra Sands Unified School District pursuant to the California Education Code which requires that all new school projects to obtain a “No Further Action” (NFA) determination from the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) prior to proceeding with property acquisition and/or construction of a school.

The 77-acre site encompasses a portion of Assessor’s Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing site boundaries and the current site conditions. The project site is vacant land with mostly native desert vegetation.

Sampling was conducted in the area of the proposed classroom buildings under an abundance of caution to assess the project site due to its association with a military base.

1.1 SCOPE OF WORK

The scope of work implemented to prepare this Phase I Addendum included:

- Developing sampling and analysis plans to further assess site conditions;
- Implementing field and laboratory data collection and evaluation to further assess environmental conditions at the site; and
- Preparing this Phase I Addendum report.

The sampling and analyses program and results are summarized below:

- A total of 34 soil samples plus 3 duplicates were collected. Samples were collected from 17 locations from 0 to 0.5 feet below ground surface (bgs) and from 2.5 to 3.0 feet bgs (Table 1).
- Five composite surface soil samples and one composite duplicate surface soil sample were analyzed for organochlorine pesticides by a State certified laboratory using United States Environmental Protection Agency (EPA) Method 8081A .

1. Introduction

- Four soil samples plus one duplicate were collected from the surface to 0.5 feet were analyzed discretely for CAM-17 METALS by EPA Method 6010B/7471A, polychlorinated biphenyls by EPA Method 8082, total petroleum hydrocarbon chains by EPA Method 8015M, and asbestos by EPA Method 600/R-93/116.

2. Sampling Activities and Results

This section describes methods and results of the soil sampling activities conducted at the site on June 30, 2020. The soil sampling was implemented at the site by the project geologist.

2.1 UTILITY CLEARANCE

Prior to commencement of field activities, USA was notified of our intent to conduct subsurface investigations at least 48 hours prior to initiation of intrusive field tasks. USA contacted all utility owners of record within the site vicinity and notified them of our intention to conduct subsurface investigations in proximity to buried utilities. All utility owners of record, or their designated agents, were expected to clearly mark the position of their utilities on the ground surface throughout the area designated for investigation.

2.2 SOIL SAMPLING

Based on the information from the Phase I, the approximate 77-acres of the project site has been vacant undeveloped land located within NAWS China Lake military base since at least 1946. A total of 34 soil samples plus 3 duplicates were collected on June 30, 2020 from 17 locations to characterize soil from surface to 0.5 and 2.5 feet bgs in the area of the proposed classroom buildings. Four soil samples plus one duplicate were collected from the surface to 0.5 feet were analyzed discretely by a State certified laboratory for CAM-17 metals using United States Environmental Protection Agency (EPA) Method 6010B/7471A, polychlorinated biphenyls by EPA Method 8082, total petroleum hydrocarbon chains by EPA Method 8015M, and asbestos by EPA Method 600/R-93/116. Five composite surface soil samples and one composite duplicate sample were analyzed for organochlorine pesticides by EPA Method 8081A. Table 1 is a summary table of the sampling and analysis program and Figure 4 shows the sample locations.

2.2.1 Sampling Methods and Procedures

Soil samples were collected from surface to 0.5 feet and 2.5 feet below ground surface using a truck-mounted Geoprobe® direct-push drill rig. The drill rod core barrel was advanced from the surface to 2.5 feet below ground surface. Soil from the target sample intervals was cut from the acetate sleeve, sealed with Teflon™ sheets and capped. Each sample was labeled with the sample number, sample depth, and the date and time sampled. Samples were immediately placed in an ice-filled cooler and listed on a Chain-of-custody (COC) form.

Observations pertaining to the soil type were described by a field geologist in accordance with the Unified Soil Classification System (USCS). Any observation pertaining to potential soil contamination was recorded.

2. Sampling Activities and Results

2.3 QUALITY CONTROL SAMPLING PROCEDURES

Field quality control samples associated with the sampling program included duplicates, equipment blanks, and soil matrix spike/matrix spike duplicate (MS/MSD) samples, in accordance with the DTSC PEA Guidance Manual (DTSC 2015).

2.4 DECONTAMINATION PROCEDURES AND WASTE MANAGEMENT

All equipment that came into contact with the soil was decontaminated consistently to assure the quality of samples collected. Decontamination was conducted prior to and after each use of a piece of equipment. All sampling devices used were decontaminated using the following procedures:

- Non-phosphate detergent and distilled water wash, using a brush;
- Initial deionized/distilled water rinse; and
- Final deionized/distilled water rinse.

Soil cuttings were immediately backfilled into the original boring and decontamination water was disposed of in accordance to the Office of Emergency and Remedial Response (OERR) Directive 9345.3-02 (1991). Used personal protection equipment (PPE) were double bagged and placed in a municipal refuse dumpster.

2.5 RESULTS

Organochlorine pesticide concentrations from soil are summarized in Table 2, analyzed by EPA Method 8081A. Polychlorinated biphenyls (PCBs) in surface soil are summarized in Table 3, analyzed by EPA Method 8082. Total petroleum hydrocarbon chains (TPH-cc) in soil are summarized in Table 4, analyzed by EPA Method 8015M. Asbestos in soil is summarized in Table 5, analyzed by polarized light microscopy via EPA Method 600/R-93/116. CAM-17 metals in soil is summarized in Table 6. All laboratory data is included in Appendix A.

2.5.1 Soil Description

Descriptions of the soils encountered and collected during the investigation were recorded by a field geologist. Soils were described as loose to medium dense light brownish gray (10YR 6/2) to grayish brown (10YR 5/2) silty fine sand and soft to medium stiff light brownish gray (10YR 6/2) silt with fine sand. No staining, unusual odors, or visual signs of contamination were observed by the field geologist. No fill material was encountered.

2.5.2 Pesticides

No OCPs were detected above laboratory detection limits in soil. OCPs results are included in Table 2.

2. Sampling Activities and Results

2.5.3 Polychlorinated Biphenyls

No PCBs were detected above laboratory detection limits in soil. PCBs results are included in Table 3.

2.5.4 Total Petroleum Hydrocarbon Chains

No TPH-cc was detected above laboratory detection limits in soil. TPH-cc results are included in Table 4.

2.5.5 Asbestos

No asbestos was visible using polarized light microscopy in soil. Asbestos results are included in Table 5.

2.5.6 CAM-17 Metals

Barium, chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected above laboratory detection limits in all five soil samples plus the duplicate sample analyzed. Arsenic was detected in two soil samples plus one duplicate sample analyzed. All metals in the soil samples analyzed were within background concentrations except for cobalt, copper and vanadium, although for these three metals, there were still some samples that were within background concentrations. The background data was obtained by PlaceWorks from a Phase I Addendum for Edwards Air Force Base TK-12 School on behalf of Muroc Joint Unified School District in 2017. The maximum concentrations of cobalt, copper and vanadium were all well below the EPA Region IX and DTSC Screening Levels. CAM-17 metals results are included in Table 6.

2. Sampling Activities and Results

This page intentionally left blank.

3. Human Health Screening Evaluation

3.1 LEAD SCREENING

For the screening for lead concentrations on existing and proposed school sites, the highest detected concentration of lead is compared to the screening value of 80 mg/kg derived from the DTSC Lead Spread 8 model. The screening value is based on exposures to children using statewide and regional air concentrations of lead. This screening value is considered appropriate for former residential and uncontaminated commercial properties where lead from lead-based paint is the only potential contaminant on the site.

Lead was detected in all 5 soil samples and the duplicate sample above laboratory reporting limits (Table 6). Lead concentrations at 0.5 feet ranged from 1.74 mg/kg to 5.74 mg/kg. Lead concentrations at the site at 0.5 feet bgs are below the DTSC SL and are within background concentrations.

3.2 UNCERTAINTY ANALYSIS

The data collected are subject to uncertainty associated with sampling and analysis. In the risk analysis it was assumed that samples collected were representative of conditions to which various populations may be exposed. However, the collected samples may not be completely representative due to biases in sampling and to random variability of samples. In general, sampling was biased toward areas of known and suspected elevated chemical concentrations, which will lead to an overestimation of risk when these results are assumed to represent a larger area. The placement of soil borings was in part, purposely biased to detect and characterize potential hot spots of soil based on historical site use. This type of sampling approach is likely to overestimate the chemical concentrations to which a receptor would be exposed and the potential health impact to the receptors evaluated.

Samples were analyzed using California State Certified Laboratory procedures and were subjected to limited review, to obtain data suitable for decision-making. However, it should be understood that sample analysis is subject to uncertainties associated with precision, accuracy and detection of chemicals at low concentrations.

3. Human Health Screening Evaluation

This page intentionally left blank.

4. Quality Assurance/Quality Control Implementation

The Quality Assurance/Quality Control (QA/QC) Program was implemented in accordance with the DTSC PEA Guidance Manual (DTSC 1999). The primary quality control features of the QA/QC program include the collection and analysis of field quality control samples and the data validation. All proper chain of custody procedures were followed and the chain of custody is included in Appendix A.

Quality control samples collected in the field included equipment rinseate blanks as described in Section 3. The data for these quality control samples were reviewed as part of the data validation process, along with results from laboratory quality control analyses. Data validation was performed in compliance with DTSC's PEA Guidance Manual, using protocols consistent with the USEPA National Functional Guidelines (DTSC 1999). Each sample was analyzed for the specified suite of analyses presented in Section 3. Data from each of the analyses were evaluated with respect to the quality control criteria listed below. Data for the project as a whole were evaluated in terms of completeness.

- Holding times;
- Field blanks;
- Laboratory method and calibration blanks;
- Initial and continuing calibrations;
- System monitoring compounds (surrogates - organic analyses only);
- Laboratory control samples (LCS) and LCS duplicate samples (LCSD) - as applicable;
- Matrix spikes (MS)/Matrix spike duplicates (MSD); and
- Compound identification and quantitation.

Data quality for the project is good, and the data collected are of acceptable quality for use in the screening evaluation.

Data validation qualifier flags have been added to those data that did not meet acceptance criteria defined in School Quality Assurance Project Plans. Results of the validation indicate that all samples collected and analyzed are useful in characterizing the site and assessing the human health and ecological risks for the site. No detectable concentrations were qualified as rejected (R) or were considered to be unusable based on the validation evaluation. Data qualified as estimated (J/UJ) exhibited some bias during analysis and should be

4. Quality Assurance/Quality Control Implementation

considered as an approximate measure of the respective analyte concentration. Qualified data are presented along with the data results in the analytical summary tables provided in this report.

Field activities were observed to be conducted in a manner consistent with the QA/QC procedures presented in the DTSC PEA Guidance Manual (DTSC 1999). No findings were identified that significantly affect the quality of the samples collected or the resulting data evaluation.

4.1 DATA VALIDATION

Data validation was performed for all samples submitted as part of PlaceWorks evaluation of soil. A & R Laboratories located in Ontario was the lead laboratory for the project and performed the required analyses.

Validation was performed in accordance with the general guidance provided in the USEPA Functional Guidelines for Evaluating Inorganic Analyses (USEPA 1994) and in accordance with the professional judgment of the validation team. Validation was performed to assess analytical performance in terms of the DQOs accuracy, precision, sensitivity, and completeness. Comparability and representativeness DQOs for the samples collected are addressed by the correct implementation of the procedures defined in the sampling and analysis plan.

A summary of the validation program, in terms of the DQOs listed above, is provided in the following sections. Data qualifiers assigned to results, if required, were as follows:

J - Result is estimated due to failure to meet one of the DQO criteria associated with the sample result or associated sample batch. Results reported at concentrations below standard laboratory reporting limits, but above method detection limits, were flagged “J” by the laboratory, or “B” in the case of metals. These data are validated as J/estimated because they are below the reliable quantitation limits determined by the laboratory.

U - Result is qualified as not-detected at the reported value. This qualifier is used when results from blank analyses indicate that detections in associated samples may be biased high due to potential contaminant conditions in the field or laboratory.

UJ - Result is qualified as not-detected at the reported value, and the value is determined to be estimated. This qualifier commonly results when quality control failures are associated with analytes that are not detected, or when detections are qualified “U” due to blank contamination combined with a “J” qualifier resulting from another QC problem.

R - Result is rejected due to severe QC failure, or due to multiple lesser QC problems that are determined to be additive.

4.2 ACCURACY

Accuracy was evaluated by assessing the results of holding times, field and laboratory blanks, initial and continuing calibrations, surrogate spike recoveries (organic analyses), LCS recoveries, MS analyses, and interference check samples (metals by inductively coupled plasma).

4. Quality Assurance/Quality Control Implementation

Holding times were met for all analyses. Frequency and control criteria for initial and continuing calibration verifications were met. The method blank data showed non-detectable levels for all constituents. LCS analysis was performed at required frequencies and all recoveries were within acceptable limits. Surrogate recoveries for all samples were within acceptable control limits. MS and MSD were performed at the required frequencies. All recoveries were within acceptable limits.

4.3 PRECISION

Precision was evaluated by assessing the results between MS and MSD analyses, LCS and LCSD analyses, between laboratory duplicate analyses. The precision DQO was generally satisfied for the samples collected during the project. Precision was evaluated as the relative percent difference (RPD) between control sample results. RPD criteria reported by the laboratory were used to assess precision. RPDs were within the appropriate control limits.

4.4 SENSITIVITY

Sensitivity was addressed by ensuring that the reporting limits provided by the laboratories met those as requested in the workplans and task orders provided to the laboratory. Data were qualified in cases where results were reported at concentrations below standard laboratory reporting limits, but above the method detection limits that may have been required to meet the sensitivity requirements for the project. Such results were flagged by the laboratory as either J or B qualified data. These data retain a J/estimated qualifier due to potential decreased reliability at low concentration levels.

4.5 COMPLETENESS

Completeness is an evaluation of the overall sampling program with respect to data generated that is usable versus data that may have been rejected. No data was rejected during the data validation process for this project. The completeness objectives (minimum 90 percent) for this project are therefore considered to be satisfied for all analyses.

4.6 DATA VALIDATION CHART

The following table is a summary of pertinent quality indicators that were verified during the data validation process.

4. Quality Assurance/Quality Control Implementation

ACCEPTABILITY		
QUALITY INDICATOR	SOIL	SOIL
	EPA Method 6010B	EPA Method 8081A
	Target Analyte: Lead	Target Analyte: DDE
Completeness of Laboratory Reports (e.g., laboratory, client, and sample identifications; ELAP certification number, project name, sample matrix, sample collection, preservation, preparation, extraction, analysis dates; analytical methods; analytes; reporting units and limits; dilution factors; report page numbering system; designated title and signatures)	Y See discussion Section 4	Y See discussion Section 4
Reporting Limit (RL)	0.5 mg/kg	0.002 mg/kg
Chain of Custody	Y	Y
Sample Containers and Conditions	Y	Y
Holding Time (<28 days)	Y	Y
Sample Preservation	Y	Y
Equipment Rinsate Blanks	Y	Y
Field Duplicates	Y	Y
Field QC Samples – Others	NA	NA
Surrogate Recoveries	NA	NA
Method Blanks	Y	Y
LCS % Recovery	Y	Y
MS/MSD % Recovery	See discussion Section 4	See discussion Section 4
MS/MSD % RPD	See discussion Section 4	See discussion Section 4
Laboratory Duplicates	See discussion Section 4	See discussion Section 4
Laboratory QC Samples – Others	NA	NA
Compound Identification	Y	Y
Compound Quantitation	Y	Y
Dilution Factors	Y	Y
Data Qualifiers	Y	Y
Confirmation of Positive Samples	NA	NA
Observations of Significance	NA	NA
Case Narrative	Y	Y
Instrument Tuning	NA	NA
Initial Calibration	Lab	Lab
Calibration Verification	Lab	Lab
Interference Check Standard	NA	NA
Others	NA	NA

5. Health and Safety Procedures

PlaceWorks followed a site-specific HASP pursuant to Health and Safety Code 1910.120. The plan addressed the following:

- Identification and description of potentially hazardous substances that may be encountered during field operations;
- Special protocols to address personal safety due to COVID-19 such as social distancing and consistently wearing a mask;
- PPE and clothing for site activities; and
- Measures that need to be implemented in the event of an emergency.

PlaceWorks field personnel reviewed the HASP prior to commencing fieldwork. Prior to initiation of field activities each day, a site safety briefing was conducted to identify potential physical and chemical hazards and measures to be taken in event of an emergency. All on-site personnel were required to sign the site safety briefing form.

During field activities, all personnel within the exclusion zone wore appropriate level D PPE. No incidents or emergency actions related to site sampling occurred during the field program.

5. Health and Safety Procedures

This page intentionally left blank.

6. Conclusions and Recommendations

PlaceWorks has performed a Phase I Environmental Site Assessment (Phase I) Addendum on behalf of the Sierra Sands Unified School District for the proposed construction of the replacement for Richmond Elementary School (project site). The project site is on the east side of Gateway Boulevard between Ridgecrest Boulevard and Gold Canyon Street, extending to Richmond Road within Naval Air Weapons Station (NAWS) China Lake military base in the City of Ridgecrest, Kern County, California. The Phase I was performed in general conformance with the scope and limitations of the ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and also followed Department of Toxic Substances Control (DTSC) guidelines for Phase I evaluations for school sites. The Phase I concluded that there were no Recognized Environmental Conditions (RECs), no Historical Recognized Environmental Conditions (HRECs), and no Controlled Recognized Environmental Conditions (CRECs). A Phase I Addendum was implemented as part of the District's assessment of proposed school sites in the area. Sampling was implemented in the area where construction of classroom buildings are currently planned to confirm that the site was feasible for a school.

The 77-acre site encompasses a portion of Assessor's Parcel Number [APN] 033-050-09. Figure 3 is an aerial photograph showing site boundaries and the current site conditions. The project site is vacant land with mostly native desert vegetation.

Sampling was conducted in the area of the proposed classroom buildings under an abundance of caution to assess the project site due to its association with a military base.

The sampling program and results are summarized below:

- A total of 34 soil samples plus 3 duplicates were collected. Samples were collected from 17 locations from 0 to 0.5 feet below ground surface (bgs) and from 2.5 to 3.0 feet bgs (Table 1).
- Five composite surface soil samples and one composite duplicate surface soil sample were analyzed for organochlorine pesticides by a State certified laboratory using United States Environmental Protection Agency (EPA) Method 8081A.
- Four soil samples plus one duplicate were collected from the surface to 0.5 feet were analyzed discretely for CAM-17 metals by EPA Method 6010B/7471A, polychlorinated biphenyls by EPA Method 8082, total petroleum hydrocarbon chains by EPA Method 8015M, and asbestos by EPA Method 600/R-93/116.
- No OCPs were detected above laboratory detection limits in soil. OCPs results are included in Table 2.

6. Conclusions and Recommendations

- No PCBs were detected above laboratory detection limits in soil. PCBs results are included in Table 3.
- No TPH-cc was detected above laboratory detection limits in soil. TPH-cc results are included in Table 4.
- No asbestos was visible using polarized light microscopy in soil. Asbestos results are included in Table 5.
- Barium, chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected above laboratory detection limits in all five soil samples plus the duplicate sample analyzed. Arsenic was detected in two soil samples plus one duplicate sample analyzed.
- All metals in the soil samples analyzed were within background concentrations except for cobalt, copper and vanadium, although for these three metals, there were still some samples that were within background concentrations. The background data was obtained by PlaceWorks from a Phase I Addendum for Edwards Air Force Base TK-12 School on behalf of Muroc Joint Unified School District in 2017. The maximum concentrations of cobalt, copper and vanadium were all well below the EPA Region 9 Regional Screening Levels (RSLs). CAM-17 metals results are included in Table 6.
- Lead was detected in all 5 soil samples and the duplicate sample above laboratory reporting limits (Table 6). Lead concentrations at 0.5 feet ranged from 1.74 mg/kg to 5.74 mg/kg. The DTSC screening level for lead is 80 mg/kg. Lead concentrations at the site at 0.5 feet bgs are below the DTSC SL.
- Chemicals that were detected above laboratory reporting limits were screened against health-based screening levels. . The risk estimate shows that the levels at the site do not pose a human health risk to the students or to the staff using an unrestricted residential land use scenario.

The results of the Phase I Addendum support the following conclusions and recommendations:

Per California Education Code Section 17213.1, Section 3, and the results of the Phase I Addendum, PlaceWorks conclude that further investigation of the site is not necessary.

7. References

1. American Society for Testing and Materials (ASTM) Practice for ESAs: Phase I Assessments Process (ASTM Standard E 1527-13), November 2013.
2. California Department of Toxic Substances Control (DTSC), 2001. Phase I Environmental Site Assessment Advisory: School Property Evaluations, Revised September 5, 2001.
3. California Department of Toxic Substances Control (DTSC), 2011. User's Guide to Leadsread 8 and Recommendation for Evaluation of Lead Exposures in Adults. Human and Ecological Risk Office. September 2011.
4. California Department of Toxic Substances Control (DTSC), 2015, Preliminary Endangerment Assessment Guidance Manual, January 1994, Interim Final – Revised October 2015.
5. California Department of Toxic Substances Control (DTSC), 2020. Human Health Risk Assessment (HHRA) Note Number 3, DTSC –modified Screening Levels (DTSC-SLs). June 2020.
6. PlaceWorks, 2017. Phase I Environmental Site Assessment for the Proposed Edwards AFB K-12 Campus, for Muroc Joint Unified School District, dated August
7. PlaceWorks, 2020. Phase I Environmental Site Assessment: Richmond Elementary School Replacement for Sierra Sands Unified School District. October 2020.
8. USEPA, 1991. Office of Emergency and Remedial Response (OERR) Directive 9345.3-02. Management of Investigation-Derived Wastes During Site Inspections. May.
9. USEPA, 1994. Office of Solid Waste and Emergency Response. Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses. Publication 9240.1-26.
10. USEPA, 2020. Pacific Southwest, Region 9. Regional Screening Levels. Updated May 2020. <https://semspub.epa.gov/work/03/2229085.pdf>

7. References

This page intentionally left blank.

Tables

This page intentionally left blank.

TABLE 1
SAMPLING AND ANALYSIS PROGRAM
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Sample Number	Depth (feet bgs)	EPA 8081A OCPs	EPA 8082 PCBs	EPA 8015M Total Petroleum Hydrocarbon Chains	Asbestos by Polarized Light Telescopy	EPA 6010B/7471A CAM-17 Metals
B-1	0.5'	Composite B-1, B-2, B-3, B-4				
	2.5'	-				
B-2	0.5'	Composite B-1, B-2, B-3, B-4	D	D	D	D
	2.5'	-				
B-3	0.5'	Composite B-1, B-2, B-3, B-4				
	2.5'	-				
B-4	0.5'	Composite B-1, B-2, B-3, B-4				
	2.5'	-				
B-5	0.5'	Composite B-5, B-6, B-7	D	D	D	D
	2.5'	-				
B-6	0.5'	Composite B-5, B-6, B-7				
	2.5'	-				
B-7	0.5'	Composite B-5, B-6, B-7				
	2.5'	-				
B-8	0.5'	Composite B-8, B-9, B-13				
	2.5'	-				
B-8 DUP	0.5'	Composite B-8 DUP, B-9 DUP, B-13 DUP				
B-9	0.5'	Composite B-8, B-9, B-13	D	D	D	D
	2.5'	-				
B-9 DUP	0.5'	Composite B-8 DUP, B-9 DUP, B-13 DUP	D DUP	D DUP	D DUP	D DUP
B-10	0.5'	Composite B-10, B-11, B-12	D	D	D	D
	2.5'	-				
B-11	0.5'	Composite B-10, B-11, B-12				
	2.5'	-				
B-12	0.5'	Composite B-10, B-11, B-12				
	2.5'	-				

TABLE 1
SAMPLING AND ANALYSIS PROGRAM
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Sample Number	Depth (feet bgs)	EPA 8081A OCPs	EPA 8082 PCBs	EPA 8015M Total Petroleum Hydrocarbon Chains	Asbestos by Polarized Light Telescopy	EPA 6010B/7471A CAM-17 Metals
B-13	0.5'	Composite B-8, B-9, B-13				
	2.5'	-				
B-13 DUP	0.5'	Composite B-8 DUP, B-9 DUP, B-13 DUP				
B-14	0.5'	Composite B-14, B-15, B-16, B-17	D	D	D	
	2.5'	-				
B-15	0.5'	Composite B-14, B-15, B-16, B-17				
	2.5'	-				
B-16	0.5'	Composite B-14, B-15, B-16, B-17				D
	2.5'	-				
B-17	0.5'	Composite B-14, B-15, B-16, B-17				
	2.5'	-				
Total		5 C, 1 C DUP	4 D, 1 D DUP	4 D, 1 D DUP	4 D, 1 D DUP	4 D, 1 D DUP

Note:

OCPs = organochlorine pesticides; PCBs = polychlorinated biphenyls

D=Discrete; C=Composite; DUP=Duplicate

TABLE 2
SUMMARY TABLE OF ORGANOCHLORINE PESTICIDES IN SOIL
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Sample Number	Depth (feet bgs)	Sample Date	Concentration (milligrams per kilogram [mg/kg])				
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane	Dieldrin
B-1, B-2, B-3, B-4	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
B-5, B-6, B-7	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
B-8, B-9, B-13	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
B-8 DUP, B-9 DUP, B-13 DUP	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
B-10, B-11, B-12	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
B-14, B-15, B-16, B-17	0.5'	6/30/2020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020
Maximum Concentration Detected			ND	ND	ND	ND	ND
EPA Region 9 RSLs			1.9	2	1.9	1.7	0.034
EPA Region 9 RSLs for 3:1 Composite			0.63	0.67	0.63	0.57	0.011
EPA Region 9 RSLs for 4:1 Composite			0.48	0.50	0.48	0.43	0.009
DTSC SLs			2.3	2	1.90	1.7	0.034
DTSC SLs for 3:1 Composite			0.76	0.67	0.63	0.57	0.011
DTSC SLs for 4:1 Composite			0.575	0.5	0.48	0.43	0.009

Notes:

< - Non detect at the established method detection limit. ND = nondetect
EPA= Environmental Protection Agency, RSL= Regional Screening Levels
DTSC= Department of Toxic Substances Control, SLs= Screening Levels
Samples analyzed by EPA Method 8081A
The complete laboratory analytical reports are included in Appendix A.

TABLE 3
SUMMARY TABLE OF PCBs IN SOIL
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

			Concentration (milligrams per kilogram [mg/kg])						
Sample Number	Sample Depth	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
B-2	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
B-5	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
B-9	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
B-9 DUP	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
B-10	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
B-14	0.5'	6/30/2020	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Equipment Blank			Concentration milligrams per liter (mg/kg)						
EB063020			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Number of Samples			6	6	6	6	6	6	6
Number of Detects			0	0	0	0	0	0	0

Notes:

< - Non detect at the established method detection limit.

DTSC= Department of Toxic Substances Control, SLs= Screening Levels

The complete laboratory analytical reports are included in Appendix A.

Highlighted cells indicate concentrations above agency screening levels.

TABLE 4
SUMMARY TABLE OF TOTAL PETROLEUM HYDROCARBON IN SOIL
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Concentration (milligram per kilogram [mg/kg])					
Sample Number	Sample Depth	Sample Date	C4-C12	C13-C22	C23-C40
B-2	0.5'	6/30/2020	<0.20	<10	<20
B-5	0.5'	6/30/2020	<0.20	<10	<20
B-9	0.5'	6/30/2020	<0.20	<10	<20
B-9 DUP	0.5'	6/30/2020	<0.20	<10	<20
B-10	0.5'	6/30/2020	<0.20	<10	<20
B-14	0.5'	6/30/2020	<0.20	<10	<20
EQUIPMENT BLANK					
Concentration (milligram per liter [mg/L])					
EB063020			<100	<0.40	<0.80

Notes:

< - Non detect at the established method detection limit.

Samples analyzed by EPA Method 8015 B

The complete laboratory analytical reports are included in Appendix A.

TABLE 5
SUMMARY TABLE OF ASBESTOS IN SOIL
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Sample Number	Sample Depth	Sample Date	Asbestos by PLM/DS
B-2	0.5'	6/30/2020	NVA
B-5	0.5'	6/30/2020	NVA
B-9	0.5'	6/30/2020	NVA
B-9 DUP	0.5'	6/30/2020	NVA
B-10	0.5'	6/30/2020	NVA
B-14	0.5'	6/30/2020	NVA

Notes: NVA = No Visible Asbestos

The complete laboratory analytical reports are included in Appendix A.

PLM Polarized Light Microscopy EPA Method 600/R-93/116

TABLE 6
SUMMARY TABLE OF CAM-17 METALS IN SOIL
Richmond Elementary School Reconstruction
Sierra Sands Unified School District
Ridgecrest, California

Concentration (milligrams per kilogram [mg/kg])											
Sample Number	Sample Depth	Sample Date	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
B-2	0.5'	6/30/2020	1.53	68.1	9.72	3.67	8.57	2.87	3.57	44.4	18.8
B-5	0.5'	6/30/2020	1.31	76.6	9.69	3.94	10.8	2.21	4.65	57.3	19.1
B-9	0.5'	6/30/2020	<1.00	44.1	8.04	2.88	7.58	5.74	3.84	32.9	17.2
B-9 DUP	0.5'	6/30/2020	1.88	61.9	8.64	3.53	10.9	1.74	3.24	48.2	14.1
B-10	0.5'	6/30/2020	<1.00	33	7.39	2.61	6.78	4.58	3.6	26.1	15.4
B-16	0.5'	6/30/2020	<1.00	28.5	6.99	3	5.92	2.59	3.16	24.7	11.8
Equipment Blank											
Concentration milligrams per liter (mg/l)											
EB063020			<0.0200	<0.0100	<0.0100	<0.00500	<0.0100	<0.0200	<0.0100	<0.0100	<0.0400
Minimum Concentration Detected			1.31	28.5	6.99	2.61	5.92	1.74	3.16	24.7	11.8
Maximum Concentration Detected			1.88	76.6	9.72	3.94	10.9	5.74	4.65	57.3	19.1
Background concentrations			ND-2.71	14.8-83.7	3.27-17.5	0.799-3.37	1.39-6.73	0.968-8.76	0.915-8.51	5.76-19.8	11.5-42.5
EPA Region 9 RSLs or DTSC SL			12*	15000	120000	23	3100	80*	1500	390	23000

Notes:

< - Non detect at the established method detection limit. DUP = Duplicate Sample

EPA Region 9 Regional Screening Level May 2020 Residential soil in mg/kg; DTSC SLs June 2020 residential soil mg/kg

EPA= Environmental Protection Agency, RSL= Regional Screening Levels

Samples analyzed by EPA Method 6010B/7471A

Background concentrations from Edwards Air Force Base TK-12 School, Muroc Joint Unified School District, 2017

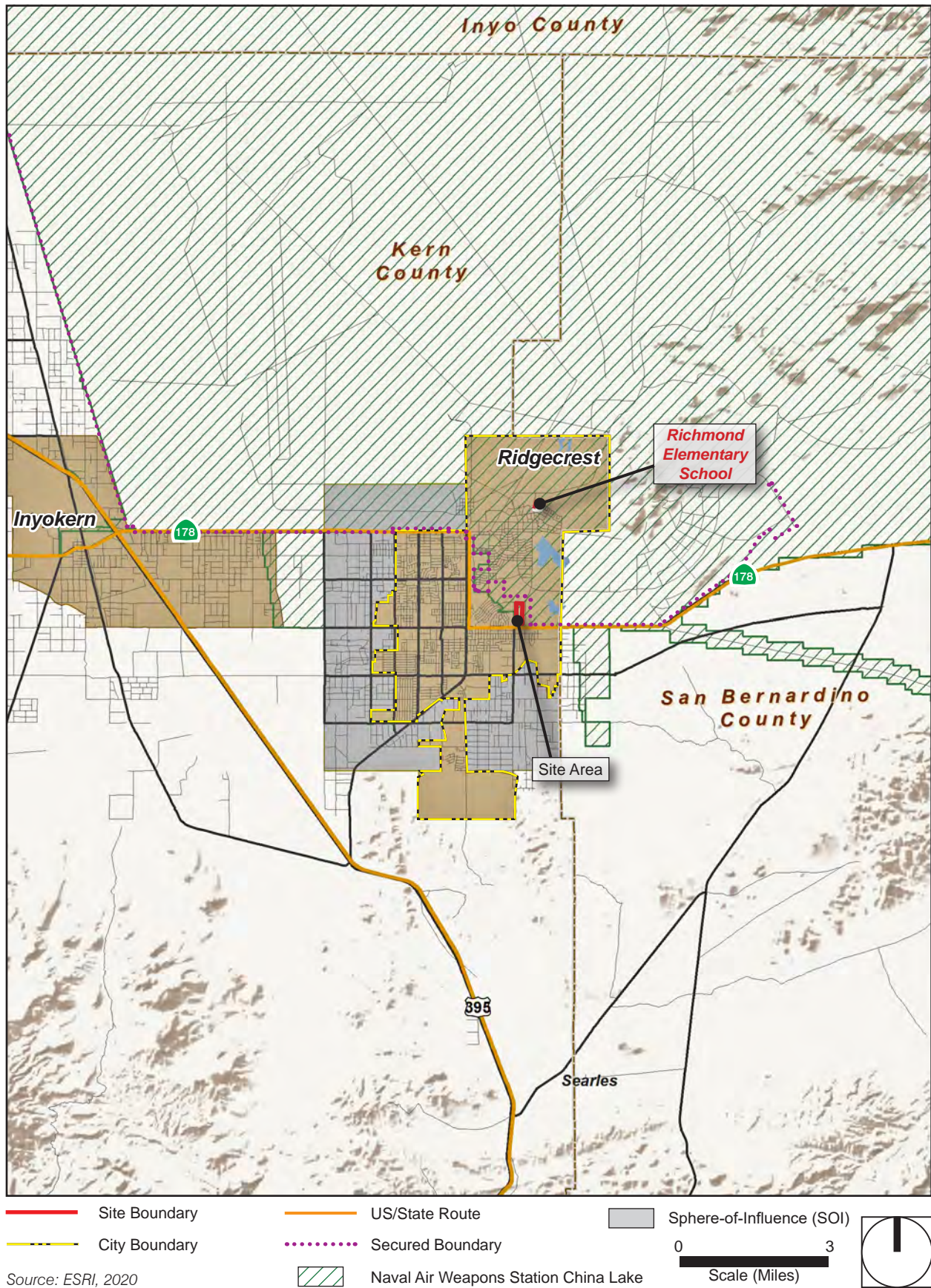
The complete laboratory analytical reports are included in Appendix A.

Non-detect CAM-17 Metals: Antimony, Beryllium, Cadmium, Molybdenum, Selenium, Silver, Thallium, and Mercury

Figures

This page intentionally left blank.

Figure 1 - Regional Location



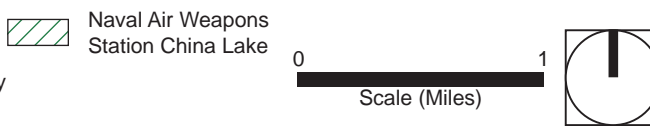


Figure 3 - Aerial Photograph

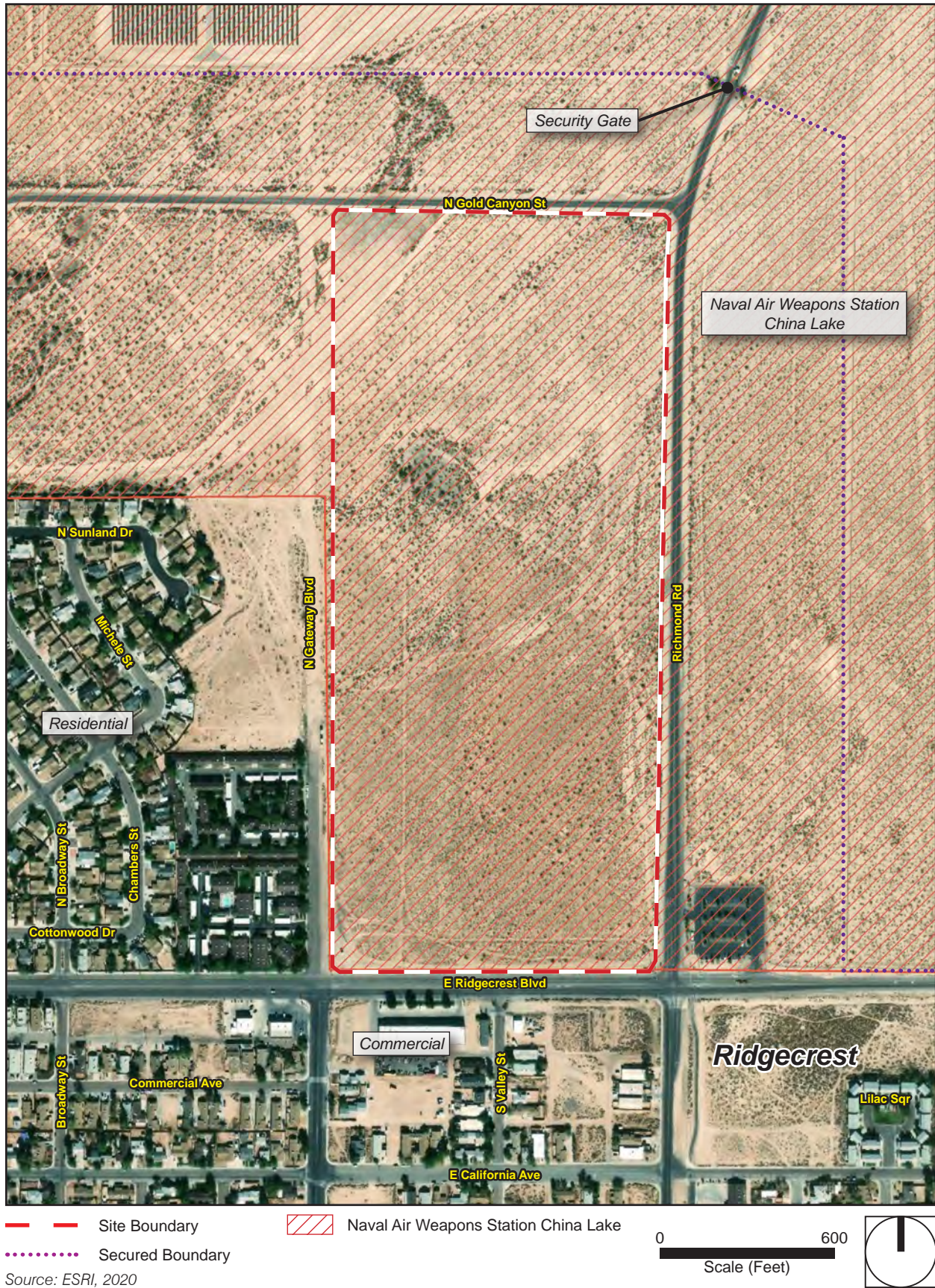
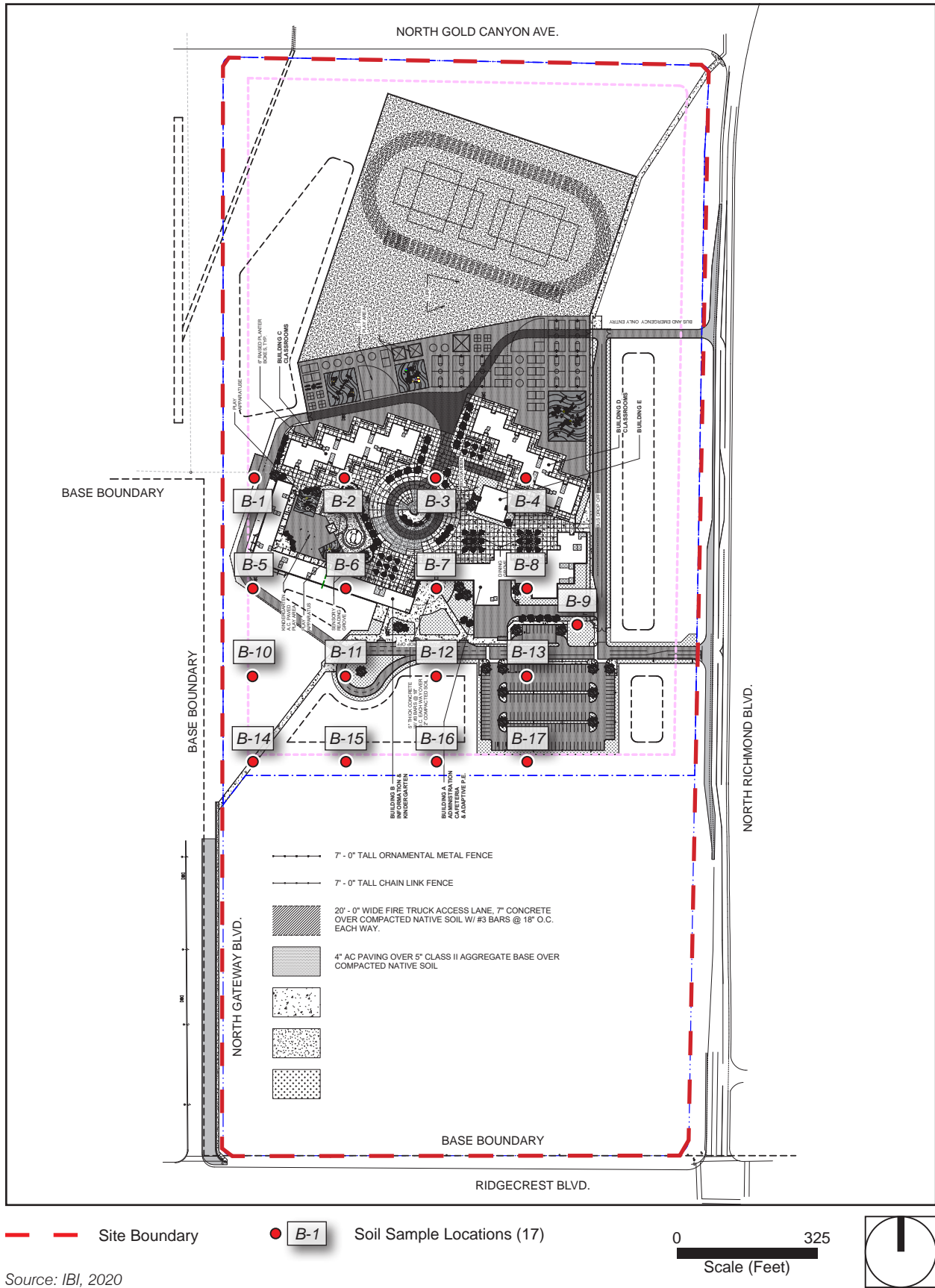


Figure 4 - Site Plan with Sample Locations



Appendix A. Laboratory Reports

Appendix

This page intentionally left blank.



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

 Ken Zheng, President
07/21/2020 9:02:58

Laboratory Job No. (Certificate of Analysis No.)

2007-00006

Project Name / No.

RICHMOND ES SITE #3, RIDGECREST, CA SSSP-06

Dates Sampled (from/to)

06/30/20 To 06/30/20

Dates Received (from/to)

07/01/20 To 07/01/20

Dates Reported (from/to)

07/21/20 To 7/21/2020

Chains of Custody Received

Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Inorganic Analyses

No analyses sub-contracted

Other Analyses

6 PLM sample(s) reported by technician LAT were contracted to LA TESTING (EMSL)

All results for sub-contracted analyses may be sent separately

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 B-2@0.5'	Date & Time Sampled: 06/30/20 @ 10:10							
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	125		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	79		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	79		%REC	EPA 8081A/8082		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	1.53		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	68.1		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	9.72		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	3.67		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	8.57		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	2.87		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 B-2@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Nickel	3.57		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	44.4		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	18.8		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 002 B-5@0.5'					Date & Time Sampled:		06/30/20 @ 10:52	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	117		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 B-5@0.5'					Date & Time Sampled:		06/30/20 @	10:52
Sample Matrix: Soil								
.....continued								
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	76		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	75		%REC	EPA 8081A/8082		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	1.31		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	76.6		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	9.69		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	3.94		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	10.8		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	2.21		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Nickel	4.65		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	57.3		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	19.1		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 003 B-9@0.5'					Date & Time Sampled:		06/30/20 @	11:37
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 B-9@0.5'					Date & Time Sampled:		06/30/20 @ 11:37	
Sample Matrix: Soil								
.....continued								
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	112		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	112		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	82		%REC	EPA 8081A/8082		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	44.1		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	8.04		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	2.88		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	7.58		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	5.74		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 B-9@0.5'					Date & Time Sampled:		06/30/20 @ 11:37	
Sample Matrix: Soil								
.....continued								
Nickel	3.84		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	32.9		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	17.2		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 004 B-9 DUP@0.5'					Date & Time Sampled:		06/30/20 @ 11:38	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	115		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 B-9 DUP@0.5'					Date & Time Sampled:		06/30/20 @ 11:38	
Sample Matrix: Soil								
.....continued								
[Surrogates]								
Tetrachloro-m-xylene	62		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	81		%REC	EPA 8081A/8082		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	1.88		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	61.9		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	8.64		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	3.53		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	10.9		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	1.74		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Nickel	3.24		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	48.2		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	14.1		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 005 B-10@0.5'					Date & Time Sampled:		06/30/20 @ 12:42	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 B-10@0.5'							Date & Time Sampled: 06/30/20 @ 12:42	
Sample Matrix: Soil								
.....continued								
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	115		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	71		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	84		%REC	EPA 8081A/8082		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	33.0		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	7.39		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	2.61		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	6.78		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	4.58		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Nickel	3.60		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 B-10@0.5'					Date & Time Sampled:		06/30/20 @ 12:42	
Sample Matrix: Soil								
.....continued								
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	26.1		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	15.4		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 006 B-14@0.5'					Date & Time Sampled:		06/30/20 @ 12:48	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		07/02/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	07/02/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3580A	1.0		07/02/20	SR
C13-C22	<10		mg/Kg	EPA 8015B	1.0	10	07/02/20	SR
C23-C40	<20		mg/Kg	EPA 8015B	1.0	20	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	117		%REC	EPA 8015B		50-150	07/02/20	SR
[PCBs]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aroclor 1016	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1221	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1232	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1242	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1248	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1254	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
Aroclor 1260	<0.050		mg/Kg	EPA 8082	1.0	0.050	07/02/20	SR
[Surrogates]								

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 B-14@0.5'					Date & Time Sampled:		06/30/20 @ 12:48	
Sample Matrix: Soil								
.....continued								
Tetrachloro-m-xylene	75		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	80		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Asbestos	SEE ATTACHED			PLM	1.0		07/08/20	LAT
Sample: 007 B-16@0.5'					Date & Time Sampled:		06/30/20 @ 13:30	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/06/20	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Barium	28.5		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Chromium	6.99		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Cobalt	3.00		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Copper	5.92		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Lead	2.59		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Nickel	3.16		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/06/20	TLB
Vanadium	24.7		mg/Kg	EPA 6010B	1.0	0.500	07/06/20	TLB
Zinc	11.8		mg/Kg	EPA 6010B	1.0	5.00	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/07/20	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/07/20	KZ
Sample: 008 EB063020					Date & Time Sampled:		06/30/20 @ 13:45	
Sample Matrix: Aqueous								
[TPH Gasoline (C4-C12)]								
C4-C12	<100		µg/L	LUFT GC/MS	1.0	100	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 EB063020					Date & Time Sampled:		06/30/20 @	13:45
Sample Matrix: Aqueous								
.....continued								
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3510C	1.0		07/02/20	SR
C13-C22	<0.40		mg/L	EPA 8015B	1.0	0.40	07/02/20	SR
C23-C40	<0.80		mg/L	EPA 8015B	1.0	0.80	07/02/20	SR
[Surrogate]								
o-Terphenyl (OTP)	142		%REC	EPA 8015B		50-150	07/02/20	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3010A	1.0		07/06/20	TLB
Antimony	<0.0200		mg/L	EPA 6010B	1.0	0.0200	07/06/20	TLB
Arsenic	<0.0200		mg/L	EPA 6010B	1.0	0.0200	07/06/20	TLB
Barium	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Beryllium	<0.00500		mg/L	EPA 6010B	1.0	0.00500	07/06/20	TLB
Cadmium	<0.00500		mg/L	EPA 6010B	1.0	0.00500	07/06/20	TLB
Chromium	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Cobalt	<0.00500		mg/L	EPA 6010B	1.0	0.00500	07/06/20	TLB
Copper	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Lead	<0.0200		mg/L	EPA 6010B	1.0	0.0200	07/06/20	TLB
Molybdenum	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Nickel	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Selenium	<0.0200		mg/L	EPA 6010B	1.0	0.0200	07/06/20	TLB
Silver	<0.0200		mg/L	EPA 6010B	1.0	0.0200	07/06/20	TLB
Thallium	<0.100		mg/L	EPA 6010B	1.0	0.100	07/06/20	TLB
Vanadium	<0.0100		mg/L	EPA 6010B	1.0	0.0100	07/06/20	TLB
Zinc	<0.0400		mg/L	EPA 6010B	1.0	0.0400	07/06/20	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7470A	1.0		07/19/20	JEN
Mercury	<0.500		ug/L	EPA 7470A	1.0	0.500	07/19/20	JEN
[Pesticides and PCBs]								
Sep Funnel LLE	Complete			EPA 3510C	1.0		07/02/20	SR
Aldrin	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
alpha-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 EB063020					Date & Time Sampled:		06/30/20 @ 13:45	
Sample Matrix: Aqueous								
.....continued								
beta-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
delta-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
gamma-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Chlordane	<0.50		µg/L	EPA 8081A	1.0	0.50	07/02/20	SR
4,4'-DDD	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
4,4'-DDE	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
4,4'-DDT	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Dieldrin	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Endosulfan I	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Endosulfan II	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Endosulfan Sulfate	<0.10		µg/L	EPA 8081A	1.0	0.10	07/02/20	SR
Endrin	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Endrin Aldehyde	<0.10		µg/L	EPA 8081A	1.0	0.10	07/02/20	SR
Endrin Ketone	<0.50		µg/L	EPA 8081A	1.0	0.50	07/02/20	SR
Heptachlor	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Heptachlor Epoxide	<0.050		µg/L	EPA 8081A	1.0	0.050	07/02/20	SR
Methoxychlor	<0.50		µg/L	EPA 8081A	1.0	0.50	07/02/20	SR
Toxaphene	<0.50		µg/L	EPA 8081A	1.0	0.50	07/02/20	SR
Sep Funnel LLE	Complete			EPA 3510C	1.0		07/02/20	SR
Aroclor 1016	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1221	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1232	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1242	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1248	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1254	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
Aroclor 1260	<0.50		µg/L	EPA 8082	1.0	0.50	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	132		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	131		%REC	EPA 8081A/8082		50-150	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761
 951-779-0310 FAX 951-779-0344
 www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20
 Date Received 07/01/20
 Invoice No. 89285
 Cust # P135
 Permit Number
 Customer P.O. SSSP-06

PLACEWORKS
 DENISE CLENDENING
 2850 INLAND EMPIRE BLVD.
 SUITE B
 ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 COMPOSITE: B-1, B-2, B-3, B-4@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	123		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	115		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Sample: 010 COMPOSITE: B-5, B-6, B-7@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 COMPOSITE: B-5, B-6, B-7@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	136		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	102		%REC	EPA 8081A/8082		50-150	07/02/20	SR

Sample: 011 **COMPOSITE: B-8, B-9, B-13@0.5'**Sample Matrix: **Soil**

Date & Time Sampled: 06/30/20 @ 10:10

[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 COMPOSITE: B-8, B-9, B-13@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	142		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	132		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Sample: 012 COMPOSITE: B-8DUP, B-9DUP, B-13DUP@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 COMPOSITE: B-8DUP, B-9DUP, B-13DUP@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	115		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	131		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Sample: 013 COMPOSITE: B-10, B-11, B-12@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 COMPOSITE: B-10, B-11, B-12@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	133		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	122		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Sample: 014 COMPOSITE: B-14, B-15, B-16, B-17@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/02/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2007-00006

Date Reported 07/21/20

Date Received 07/01/20

Invoice No. 89285

Cust # P135

Permit Number

Customer P.O. SSSP-06

PLACEWORKS

DENISE CLENDENING

2850 INLAND EMPIRE BLVD.

SUITE B

ONTARIO, CA 91764

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 COMPOSITE: B-14, B-15, B-16, B-17@0.5'					Date & Time Sampled:		06/30/20 @ 10:10	
Sample Matrix: Soil								
.....continued								
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/02/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/02/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/02/20	SR
[Surrogates]								
Tetrachloro-m-xylene	137		%REC	EPA 8081A/8082		50-150	07/02/20	SR
Decachlorobiphenyl	135		%REC	EPA 8081A/8082		50-150	07/02/20	SR

Respectfully Submitted:

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.

B1 = BOD dilution water is over specifications. The reported result may be biased high.

D = Surrogate recoveries are not calculated due to sample dilution.

E = Estimated value; Value exceeds calibration level of instrument.

H = Analyte was prepared and/or analyzed outside of the analytical method holding time

I = Matrix Interference.

J = Analyte concentration detected between RL and MDL.

Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.

S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor

RL = Reporting Limit, Adjusted by DF

MDL = Method Detection Limit, Adjusted by DF

Qual = Qualifier

Tech = Technician

As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761
 951-779-0310 FAX 951-779-0344
 www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

PLACEWORKS

2007-00006

ONTARIO, CA 91764

Date Reported 07/21/2020
 Date Received 07/01/2020
 Date Sampled 06/30/2020
 Invoice No. 89285
 Customer # P135
 Customer P.O. SSSP-06

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Method # EPA 6010B

QC Reference # 90164 Date Analyzed: 7/6/2020 Technician: TLB

Samples 001 002 003 004 005 007

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Antimony	105	109	3.6	72	72	0.5
Arsenic	107	108	1.3	81	81	0.9
Barium	102	102	0.2	68	58	3.0
Beryllium	102	101	0.4	79	77	2.4
Cadmium	104	105	0.6	67	67	0.2
Chromium	97	96	0.7	96	94	1.8
Cobalt	103	104	0.4	74	74	0.6
Copper	111	112	0.4	78	76	1.3
Lead	104	105	0.2	67	66	0.8
Molybdenum	107	108	1.6	72	72	0.2
Nickel	105	106	0.8	74	74	0.4
Selenium	106	107	1.2	61	61	0.5
Silver	101	100	0.5	70	69	1.4
Thallium	108	107	1.2	65	71	11.1
Vanadium	106	106	0.2	77	75	0.9
Zinc	103	104	0.5	67	67	0.1

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20

QC Reference # 90169 Date Analyzed: 7/6/2020 Technician: TLB

Samples 008

Results

	LCS %REC	LCS %DUP	LCS %RPD
Antimony	101	102	1.1
Arsenic	109	106	2.8
Barium	92	90	1.3
Beryllium	95	94	0.7
Cadmium	106	103	2.5
Chromium	90	90	0.0
Cobalt	103	101	1.6
Copper	116	115	0.8
Lead	103	102	0.7
Molybdenum	104	104	0.4
Nickel	106	104	2.6
Selenium	107	105	1.9
Silver	95	93	2.8
Thallium	107	105	1.9
Vanadium	104	103	1.3
Zinc	104	102	2.6

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 25
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20

Method # EPA 7470A

QC Reference # 90422 Date Analyzed: 7/19/2020 Technician: JEN

Samples 008



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761
 951-779-0310 FAX 951-779-0344
 www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

PLACEWORKS

2007-00006

Date Reported 07/21/2020
 Date Received 07/01/2020
 Date Sampled 06/30/2020

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Method #		EPA 7470A									
QC Reference #		90422		Date Analyzed: 7/19/2020				Technician: JEN			
Samples		008									
Results											
		LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD	Control Ranges			
								LCS %REC	LCS %RPD	SPIKE %RPD	
Mercury		80	84	5	82	86	4	75 - 125	0 - 25	0 - 25	
Method # EPA 7471A											
QC Reference #		90240		Date Analyzed: 7/7/2020				Technician: KZ			
Samples		001 002 003 004 005 007									
Results											
		LCS %REC	LCS %DUP	LCS %RPD	Control Ranges						
					LCS %REC	LCS %RPD					
Mercury		80	90	10	75 - 125	0 - 25					
Method # EPA 8015B											
QC Reference #		90147		Date Analyzed: 7/2/2020				Technician: SR			
Samples		008									
Results											
		LCS %REC	LCS %DUP	LCS %RPD	Control Ranges						
					LCS %REC	LCS %RPD					
C13-C22		93	102	9	70 - 130	0 - 25					
QC Reference # 90156 Date Analyzed: 7/2/2020 Technician: SR											
Samples		001 002 003 004 005 006									
Results											
		LCS %REC	SPIKE %REC	SPIKE %DUP	SPIKE %RPD	Control Ranges					
						LCS %REC	SPIKE %RPD				
C13-C22		96	95	98	3	70 - 130	0 - 25				
Method # EPA 8081A											
QC Reference #		90159		Date Analyzed: 7/2/2020				Technician: SR			
Samples		009 010 011 012 013 014									
Results											
		LCS %REC	LCS %DUP	LCS %RPD	Control Ranges						
					LCS %REC	LCS %RPD					
4,4'-DDT		117	116	1	50 - 130	0 - 30					
Aldrin		118	125	7	50 - 140	0 - 30					
Dieldrin		116	107	9	70 - 130	0 - 30					
Endrin		99	107	8	70 - 150	0 - 30					
gamma-BHC		117	119	2	50 - 150	0 - 30					
Heptachlor		74	76	2	50 - 150	0 - 30					
QC Reference #		90162		Date Analyzed: 7/2/2020				Technician: SR			



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761
 951-779-0310 FAX 951-779-0344
 www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

PLACEWORKS

2007-00006

Date Reported 07/21/2020
 Date Received 07/01/2020
 Date Sampled 06/30/2020

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Method # EPA 8081A

QC Reference # 90162 Date Analyzed: 7/2/2020 Technician: SR

Samples 008

Results

LCS %REC LCS %DUP LCS %RPD

	LCS %REC	LCS %DUP	LCS %RPD
4,4'-DDT	102	90	12
Aldrin	116	124	8
Dieldrin	108	110	2
Endrin	101	110	9
gamma-BHC	124	125	1
Heptachlor	83	84	1

Control Ranges

LCS %REC LCS %RPD

LCS %REC	LCS %RPD
50 - 130	0 - 30
50 - 140	0 - 30
70 - 130	0 - 30
70 - 150	0 - 30
50 - 150	0 - 30
50 - 150	0 - 30

Method # EPA 8081A/8082

QC Reference # 90158 Date Analyzed: 7/2/2020 Technician: SR

Samples 001 002 003 004 005 006

No QC recoveries reported.

QC Reference # 90159 Date Analyzed: 7/2/2020 Technician: SR

Samples 009 010 011 012 013 014

No QC recoveries reported.

QC Reference # 90162 Date Analyzed: 7/2/2020 Technician: SR

Samples 008

No QC recoveries reported.

Method # EPA 8082

QC Reference # 90158 Date Analyzed: 7/2/2020 Technician: SR

Samples 001 002 003 004 005 006

Results

LCS %REC LCS %DUP LCS %RPD

	LCS %REC	LCS %DUP	LCS %RPD
Aroclor 1016	92	103	11

Control Ranges

LCS %REC LCS %RPD

LCS %REC	LCS %RPD
70 - 130	0 - 25

QC Reference # 90162 Date Analyzed: 7/2/2020 Technician: SR

Samples 008

Results

LCS %REC LCS %DUP LCS %RPD

	LCS %REC	LCS %DUP	LCS %RPD
Aroclor 1016	90	101	11

Control Ranges

LCS %REC LCS %RPD

LCS %REC	LCS %RPD
70 - 130	0 - 25

Method # LUFT GC/MS

QC Reference # 90142 Date Analyzed: 7/2/2020 Technician: SR

Samples 008



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761
 951-779-0310 FAX 951-779-0344
 www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

PLACEWORKS

2007-00006

Date Reported 07/21/2020
 Date Received 07/01/2020
 Date Sampled 06/30/2020

Project: RICHMOND ES SITE #3, RIDGECREST, CA

Method #	LUFT GC/MS		
QC Reference #	90142	Date Analyzed: 7/2/2020	Technician: SR
Samples	008		
Results	LCS %REC	LCS %DUP	LCS %RPD
C4-C12	94	96	2
Control Ranges			
	LCS %REC	LCS %RPD	
	70 - 130	0 - 25	
QC Reference #	90155	Date Analyzed: 7/2/2020	Technician: SR
Samples	001 002 003 004 005 006		
Results	LCS %REC	LCS %DUP	LCS %RPD
C4-C12	104	105	1
Control Ranges			
	LCS %REC	LCS %RPD	
	70 - 130	0 - 25	

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



LA Testing

5431 Industrial Drive, Huntington Beach, CA 92649

Phone/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com>

gardengrovelab@latestesting.com

LA Testing Order: 332011973
CustomerID: 32CENT50
CustomerPO: 2007-00006
ProjectID:

Attn: **Jennifer Iniguez**
A & R Laboratories
1650-C South Grove Avenue
Ontario, CA 91761

Phone: (800) 798-9336
Fax: (951) 779-0344
Received: 7/2/2020 01:20 PM
Analysis Date: 7/8/2020
Collected: 6/30/2020

Project: **Richmond ES Site #3, Ridgecrest, CA / SSSP06**

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
332011973-0001	B-2@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	
332011973-0002	B-5@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	
332011973-0003	B-9@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	
332011973-0004	B-9DUP@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	
332011973-0005	B-10@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	
332011973-0006	B-14@0.5'	Tan Non-Fibrous Heterogeneous	None Detected	

Analyst(s)

Mindy Le (6)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing Huntington Beach, CA

Initial report from 07/08/2020 12:04:16

Client Name PLACEWORKS						<input checked="" type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested	
E-mail DCLENDING@PLACEWORKS.COM						<input checked="" type="checkbox"/> Intact												<input type="checkbox"/> Rush 8 12 24 48 Hours <input checked="" type="checkbox"/> Normal	
Address 2850 INLAND EMPIRE BLVD #B ONTARIO CA 91761						<input type="checkbox"/> Seal													
Report Attention Dense		Phone # 909 989 4444		Sampled By M. Watson															
Project No./ Name SSSD-06		Project Site RICHMOND RIDGE CREEK EST, CA																	
Lab # (Lab use)	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Colliform, E-Coli	Asbestos by PLM	Hold	Remarks	
	B-1e0.5'	6/30/20	0957	Soil	ice	1 gallon sleeve					C						(9)	C=Composite X=discarded B-1, B-2, B-3 B-4e0.5'	
1	B-1e2.5'		0959														X		
	B-2e0.5'		1010								C	XX	X		X			see B-1e0.5'	
	B-2e2.5'		1012														X		
	B-3e0.5'		1026								C							see B-1e0.5'	
	B-3e2.5'		1028														X		
	B-4e0.5'		1038								C							see B-1e0.5'	
	B-4e2.5'		1040														X		
2	B-5e0.5'		1052								C	XX	X		X		(10)	B-5, B-6 B-7e0.5'	
	B-5e2.5'		1054														X		
	B-6e0.5'		1104								C							see B-5e0.5'	
	B-6e2.5'		1106														X		
	B-7e0.5'		1114								C							see B-5e0.5'	
	B-7e2.5'		1116														X		
	B-8e0.5'		1124								C						(11)	B-8, B-9, B-13e0.5'	
Relinquished By [Signature]		Company PLACEWORKS		Date 7/1/20	Time 1120	Received By [Signature]		Company A&R		Date 7/1/20	Time 1120	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.							
Relinquished By		Company		Date	Time	Received By		Company		Date	Time								

Matrix Code:

DW=Drinking Water
GW=Ground Water
WW=Waste Water
SD=Solid Waste

SL=Sludge
SS=Soil/Sediment
AR=Air
PP=Pure Product

Preservative Code

IC=Ice
HC=H₂O₂
HN=HNO₃

SH=NaOH
ST=Na₂S₂O₃
HS=H₂SO₄

* Sample Container Types:

T=Tedlar Air Bag
G=Glass Container
ST= Steel Tube

B= Brass Tube
P=Plastic Bottle
V=VOA Vial

E= EnCore

ARL

A & R Laboratories

1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #:

2007-6

Page 2 of 3

Client Name PLACEWORKS						<input checked="" type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested <input type="checkbox"/> Rush 8 12 24 48 Hours <input checked="" type="checkbox"/> Normal	
E-mail DCCENDING@PLACEWORKS.COM						<input checked="" type="checkbox"/> Intact													
Address 2850 INLAND EMPIRE BL #B ONTARIO CA 91761						<input type="checkbox"/> Seal													
Report Attention Dennis		Phone # 9099994444		Sampled By M. Watson															
Project No./ Name SSD-06		Project Site RICHMOND ES SITE #3 RIDGECREST, CA																	
Lab # (Lab use)	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B (BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Colliform, E-Coli	HOLD	Remarks		
		Date	Time																
	B-8DUPRO.5'	6/30/20	1125	soil	ice	1 acetone lined					C						(12)	C=Composite X=direct	
	B-8e2.5'		1126														X	B-8DUPRO.5'	
3	B-9e0.5'		1137								C	X	X	X	X			see B-8e0.5'	
4	B-9DUPRO.5'		1138								C	X	X	X	X			see B-8DUPRO.5'	
	B-9e2.5'		1139														X		
	B-13e0.5'		1154								C							see B-8e0.5'	
	B-13DUPRO.5'		1155								C							see B-8DUPRO.5'	
	B-13e2.5'		1156														X		
	B-12e0.5'		1208								C							see B-1e0.5'	
	B-12e2.5'		1210														X		
	B-11e0.5'		1230								C							see B-1e0.5'	
	B-11e2.5'		1232														X		
5	B-10e0.5'		1242								C	X	X	X	X		(13)	B-10e0.5'	
	B-10e2.5'		1244														X	B-12e0.5'	
6	B-14e0.5'		1248								C	X	X		X		(14)	B-14e0.5'	

Relinquished By MAA	Company PLACEWORKS	Date 7/1/20	Time 1120	Received By Chris	Company A&R	Date 7/1/20	Time 1120
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code:

DW=Drinking Water
GW=Ground Water
WW=Waste Water
SD=Solid Waste

SL=Sludge
SS=Soil/Sediment
AR=Air
PP=Pure Product

Preservative Code

IC=Ice
HC=H₂O₂
HN=HNO₃

SH=NaOH
ST=Na₂S₂O₃
HS=H₂SO₄

* Sample Container Types:

T=Tedlar Air Bag
G=Glass Container
ST= Steel Tube

B= Brass Tube
P=Plastic Bottle
V=VOA Vial

E= EnCore

ARL

A & R Laboratories

1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #:

2007-6

Page 3 of 3

Client Name PLACWORKS				<input checked="" type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested <input type="checkbox"/> Rush 8 12 24 48 Hours <input checked="" type="checkbox"/> Normal		
E-mail DCLDENING@PLACWORKS.COM				<input checked="" type="checkbox"/> Intact														
Address 2850 INLAND EMPIRE BLVD #B ONTARIO CA 91764				<input type="checkbox"/> Seal														
Report Attention Denise		Phone # 909 989 4449		Sampled By M. Watson														
Project No./ Name SSSD-06		Project Site RICHMOND EST. SITE #3 RIDGELEST, CA																
Lab # (Lab use)	Client Sample ID	Sample Collection Date Time		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B (BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Asbestos by PLM	HOLD	Remarks
	B-14e2.5'	6/30/20	1250	soil	ice	1 acetate sleeve											X	
	B-15e0.5'		1302								C							see B-14e0.5'
	B-15e2.5'		1304								C						X	see B-14e0.5'
	B-17e0.5'		1323								C						X	see B-14e0.5'
	B-17e2.5'		1325								C						X	see B-14e0.5'
	B-16e0.5'		1330								C		X				X	see B-14e0.5'
	B-16e2.5'		1332														X	
	B-063020		1345	Aqueous	ice HNO3 HCl	3 Vials 1 Amber, 1 Plastic					X	X	X	X				

Relinquished By [Signature]	Company PLACWORKS	Date 7/1/20	Time 1120	Received By [Signature]	Company A&R	Date 7/1/20	Time 1120
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code:

DW=Drinking Water
GW=Ground Water
WW=Waste Water
SD=Solid Waste

SL=Sludge
SS=Soil/Sediment
AR=Air
PP=Pure Product

Preservative Code

IC=Ice
HC=HCl
HN=HNO3

SH=NaOH
ST=Na2S2O3
HS=H2SO4

* Sample Container Types:

T=Tedlar Air Bag
G=Glass Container
ST= Steel Tube

B= Brass Tube
P=Plastic Bottle
V=VOA Vial

E= EnCore



Sample Acceptance Checklist

CLIENT: PlaceworksWORK ORDER NUMBER: 2007-00006

Temperature: (Criteria: 0.0°C-6.0°C)			
Sample Temp. (w/CF) °C(w/CF) <u>1.9°</u>			
<input type="checkbox"/> Sample(s) outside temperature criteria: PM contacted by :			
<input type="checkbox"/> Sample(s) outside temperature criteria, but received on ice/chilled on same day of sampling.			
<input type="checkbox"/> Sample(s) received at ambient temperature; placed on ice for transport by courier.			
Ambient Temperature <input type="checkbox"/> Air <input type="checkbox"/> Filter			
CUSTODY SEAL:			
Cooler	<input type="checkbox"/>	Present and Intact	<input type="checkbox"/> Present and Not Intact <input checked="" type="checkbox"/> Not Present
Sample(s)	<input type="checkbox"/>	Present and Intact	<input type="checkbox"/> Present and Not Intact <input checked="" type="checkbox"/> Not Present
Sample Condition:		Yes	No N/A
Was a COC received		✓	
Were sample IDs present?		✓	
Were sampling dates & times present?		✓	
Was a relinquished signature present?		✓	
Were the tests required clearly indicated?		✓	
Were all samples sealed in plastic bags?			✓
Did all bottle labels agree with COC? (ID, dates and times)		✓	
Were correct containers used for the tests required?		✓	
Was a sufficient amount of samples sent for tests indicated?		✓	
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?		✓	
Explanations/Comments:			
Notification:			
For discrepancies, how was the Project Manager notified? Verbal			
Verbal:	PM Initials: _____	Data/Time: _____	
Email:	Send to: _____	Data/Time: _____	
Project Manager's response:			

Completed By: Date: 7/1/20

A R Laboratories
1650 S. Grove Ave., Suite C, Ontario, CA 91761
PH: 951-779-0310 Fax: 951-779-0344
Email: office@arlaboratories.com

Appendix E. Qualifications

Appendix

This page intentionally left blank.



MICHAEL WATSON, PG

Project Geologist

With over a decade in the environmental consulting industry, Mike is proficient in providing field and office support to project managers performing site assessment and remediation. He performs site assessments, geohazard studies, air quality and industrial hygiene assessments, groundwater investigations, and remedial actions. Mike also manages materials acquisition, field equipment maintenance, and subcontractor coordination on large field investigations and monitoring programs.

A dedicated geologist, Mike continually strives to refine his knowledge, methods, and efficacy. He is especially committed to his current work for numerous school districts throughout California, where he assists in site assessment services and the Department of Toxic Substances Control's school site approval process. He performs Phase I ESAs, PEAs, geohazard studies, supplemental site investigations, remedial investigation reports, removal action documents, feasibility study reports, Title 5 Constraints Studies, and fill testing reports. In addition, he assists with the management and implementation of field investigations, assembles project data, and arranges methodical and comprehensive procedures to attain the client's goals.

HIGHLIGHTS OF EXPERIENCE

SITE ASSESSMENTS

- » PEAs, Phase I ESAs, Geohazards Study Reports, and Title 5 Studies for various schools | Moreno Valley USD
- » PEAs and Fill Testing for various schools | Clovis USD
- » PEA for Proposed Castaic High School | William S. Hart Union High School District
- » Phase I ESA for Proposed K-8 Parker Dam School | Needles USD
- » Removal Action, Fill Testing, and Quarterly Groundwater Sampling for Central Region High School No. 13 | Los Angeles USD
- » Removal Actions for Chaffey West Community Day School and Chino Early Education Center | San Bernardino County Superintendent of Schools
- » Phase I ESA for Citrus Creek Residential Development | Upland CA
- » Phase I ESA for the Arrowhead Springs Resort | San Bernardino CA
- » Phase I/II ESAs for Former Gas Station | Los Angeles CA
- » Quarterly Groundwater Sampling, Remedial Investigation and Remedial Action for Santa Fe Springs Athletic Fields | Little Lake City School District/Santa Fe Springs CA
- » Environmental Services for various schools | Hayward USD

REGULATORY COMPLIANCE & STRATEGIC PLANNING

- » Environmental Auditing for General Motors Railroad Locomotive Service Facility | Commerce CA
- » Construction Site Review Implementation, RAW, and Methane Mitigation System Inspection for Hull Middle School | Torrance USD
- » Underground Storage Tank Closure Report and Construction Response – Removal of Six Hydraulic Lifts for Central Region Elementary School No. 13 | Los Angeles USD
- » Removal Action, Oil Well Reabandonment, Crude Oil Pipeline Removal, Construction Response Services, and Construction Site Review Implementation for Harry Bridges Span K-8 | Los Angeles USD

EDUCATION

- » BS, Geology, University of California, Riverside

REGISTRATIONS

- » California Professional Geologist No. 8177

CERTIFICATIONS

- » 40-Hour Hazardous Waste Workers (HAZWOPER) Certification
- » 24-Hour First Responders Certification
- » 8-Hour HAZWOPER Refresher Certification
- » CPR/First Aid Certification
- » NITON X-ray Fluorescence (XRF) Analyzer Certification

AFFILIATIONS

- » Geological Society of America
- » Association of Environmental and Engineering Geologists
- » Seismological Society of America
- » Inland Geological Society
- » South Coast Geological Society

Team member since 2005





MICHAEL WATSON

Project Geologist

mwatson@placeworks.com

- » Operations and Maintenance Inspection and Monitoring Reports, Five-Year Review Report, and Decommissioning of Methane Mitigation System at Woodcrest Jr. High and Liberty Elementary | Chino Valley USD
- » Corrective Measures Study and Quarterly Groundwater Monitoring for Raymond A. Villa Fundamental Intermediate School | Santa Ana USD
- » Soil Vapor and Groundwater Monitoring, Soil Vapor Extraction System Monitoring and AQMD compliance for Former Sargent Industries Facility | Huntington Park CA

CEQA/TITLE 5 ASSESSMENTS

- » CollegeTown Specific Plan EIR | Fullerton CA
- » Anaheim Canyon Specific Plan EIR | Anaheim CA
- » Title 5 studies for various schools in Westminster and Huntington Beach | Westminster School District
- » City of El Monte General Plan | El Monte CA
- » City of Industry General Plan | Industry CA
- » Irvine Business Center | Irvine CA

PUBLICATIONS

- » Watson, M. J., and S. Jorgensen, 2001. Geologic Map of the Margarita Peak 7.5 Minute Quadrangle, San Diego County, California: A Digital Database, Version 1.0. Mapping by S. S. Tan. California Division of Mines and Geology, Preliminary Geologic Map.
- » Watson, M. J. and others, 2003. Quaternary Geologic Materials Map of Part of the Juniper Hills 7.5 Minute Quadrangle, California. In Seismic Hazard Zone Report for the Juniper Hills 7.5-Minute Quadrangle, Los Angeles County, California. Mapping by A. G. Barrows, D. J. Beeby, D. B. Burke, T. W. Dibblee Jr., J. E. Kahle, and D. J. Ponti. California Geological Survey Seismic Hazard Zone Report 102.
- » Watson, M.J., K.R. Bovard, R.M. Alvarez, and C.I. Gutierrez, 2007, Geologic Map of the Oceanside 30' X 60' Quadrangle, California, Mapping by M.P. Kennedy and S.S. Tan. California Geological Survey Regional Geologic Map Series, Map No. 2: Scale 1:100,000.



DENISE CLENDENING, PhD

Associate Principal, Site Assessment Services

Denise has over 27 years of experience providing technical oversight and performing human health risk assessments, site assessments, and investigations of chemical waste at multiple sites including Resource Conservation & Recovery Act (RCRA) and Superfund sites. She is adept at applying alternatives that are economical yet protective of human health and the environment. She conducts realistic assessments and calculates target cleanup levels based on site-specific exposure scenarios. Her work has involved pesticides, heavy metals, solvents, and petroleum-contaminated soils. She assists multiple school districts in California with site assessment, public relations, and the Department of Toxic Substance Control (DTSC) school site approval process. She participates in public hearings and school board meetings and coordinates her projects with the CEQA process.

Before joining PlaceWorks, Denise managed large divestiture environmental due diligence projects for the electric power industry and was involved in numerous environmental projects for oil field operation. Her experience also includes the development and testing of risk assessment software and teaching training courses in risk assessment using different software programs.

Denise has established a very good reputation with regulatory agencies and negotiates risk-related issues on behalf of her clients. She is a member of the Los Angeles Regional Water Quality Control Board Underground Storage Tank Advisory Board and has extensive experience with site closure activities with the DTSC, Environmental Protection Agency, Regional Water Quality Control Boards, and local oversight agencies throughout California.

HIGHLIGHTS OF EXPERIENCE

ENVIRONMENTAL & HEALTH RISK ASSESSMENTS

- » Xerox Corporation Preliminary Environmental Assessment and Health Risk Assessment | Santa Ana CA
- » Human Health Risk Evaluation, Literature Research for American Petroleum Institute
- » City of Redlands Health Risk Assessment | Redlands CA
- » Caltrans Risk Assessment and Groundwater Impact Analysis | California
- » Risk Assessments and Indoor Air Sampling for Confidential Client(s) | Various Locations
- » Human Health & Ecological Risk Assessment – Technical Review | Various Locations
- » Landfill Risk Assessments | Various Locations
- » Risk Assessments for Pesticide Contaminated Soil | Various Locations
- » Human Health Risk Assessment for Confidential Mineral Resources Client | Arizona
- » Human Health Risk Assessment at Whites Point Nike Missile Site | Los Angeles County CA
- » Human Health Risk Assessment at Fort MacArthur | Los Angeles County CA

EDUCATION

- » PhD, Soil Physics, University of California, Riverside
- » MS, Soil Science, University of California, Riverside
- » BS, Geology, University of California, Riverside

CERTIFICATIONS

- » Oil Spill Response Training

AFFILIATIONS

- » Soil Science Society of America
- » American Geophysical Union
- » American Chemical Society
- » Society of Risk Analysis
- » Coalition of Adequate School Housing

Team member since 2005



DENISE CLENDENING

Associate Principal

dclendening@placeworks.com

SITE ASSESSMENTS

- » Site Remediation for Hull Middle School | Torrance CA
- » PEA for New High School, William S. Hart UHSD | Castaic CA
- » Phase I for Property at East Briar Drive | San Bernardino County CA
- » PEA for Stella Academy Middle School | Los Angeles CA
- » Phase I for Valley Boulevard Widening | City of Industry CA
- » Oil Field Preliminary Environmental Assessment | Culver City CA
- » Lead-Based Paint Evaluations | Various Locations
- » Cogeneration Facilities Permit Applications | Various Locations throughout California
- » NRG Energy Environmental Due Diligence Investigations | California
- » AES Environmental Due Diligence Work Plans | California
- » Remedial Investigation and Remedial Action for Jersey Avenue Elementary School Site (Congresswomen Grace Napolitano presented award for special congressional recognition for project), Little Lake City School District | City of Santa Fe Springs CA
- » Preliminary Environmental Assessments for over 100 school sites throughout California
- » Phase I ESA and PEAs for four school sites, Moreno Valley USD
- » Phase I ESAs, PEAs, SSIs and RAWs for eight school sites, San Bernardino County Superintendent of Schools
- » Phase I ESA for Elementary School No. 19, Rialto USD
- » PEA and SSI for the New High School No. 3 Site, Colton Joint USD
- » Phase I ESA and PEAs for four school sites, Lynwood USD
- » Phase I ESA for the Proposed Elementary School No. 8, San Ysidro School District
- » Phase I ESA for the Proposed K–8 Parker Dam School, Needles USD
- » PEAs for three school sites and environmental and legislative support services, Santa Ana USD
- » Phase I ESA, PSHA, and PEA for Community Day School, Eastside USD
- » PEAs for five school sites in Clovis | Clovis CA
- » PEA for redevelopment project for the City of South Gate | South Gate CA
- » Phase I ESA for Arrowhead Springs Resort I | San Bernardino CA
- » Phase I ESA for two Charter Schools for Green Dot Public Schools | Los Angeles CA
- » Phase I and Phase II ESA for Former Service Station | Los Angeles CA
- » Phase I ESAs, PEA, SSIs, and fill testing for multiple school sites, Pomona USD
- » PEA and methane gas testing, Encinitas USD
- » Phase I ESA and lead testing for multiple sites, Fontana USD
- » Proponent's Environmental Assessment for PUC | Long Beach CA
- » Initial Site Assessments for Street Widening Projects | Santa Ana CA
- » Phase I ESAs for Renaissance Community Fund | Corona CA

TITLE 5/CDE RISK ASSESSMENTS

- » Geohazard Assessment for Inglewood Site, Today's Fresh Start Charter School
- » PEAs and Title 5 Assessments for three school sites, Redlands USD
- » Title 5 Compliance Study Reports for four sites, Whittier Union High School District
- » Prairie Vista Lead Testing, Hawthorne USD
- » Environmental Support and Risk Assessment for school sites, San Dieguito Union High School District
- » Human Health Risk Assessment School Site, Pomona USD
- » Title 5 Hazard and Constraints Analysis for four school sites, Irvine USD
- » Title 5 Hazard and Constraints Analysis for school site, Rialto USD